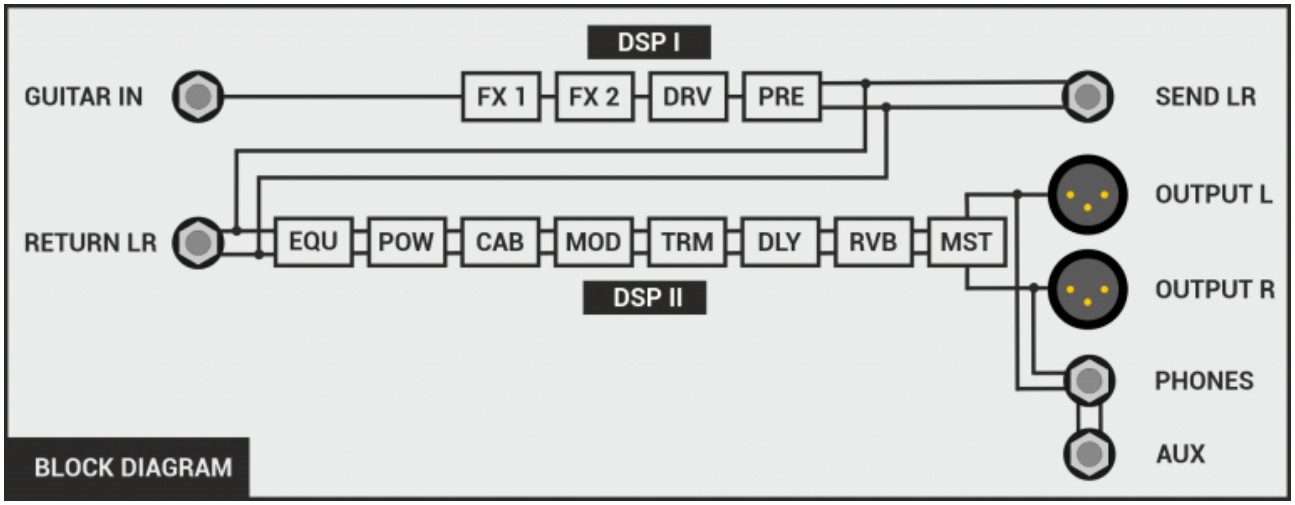
AMPERIUM LIVE

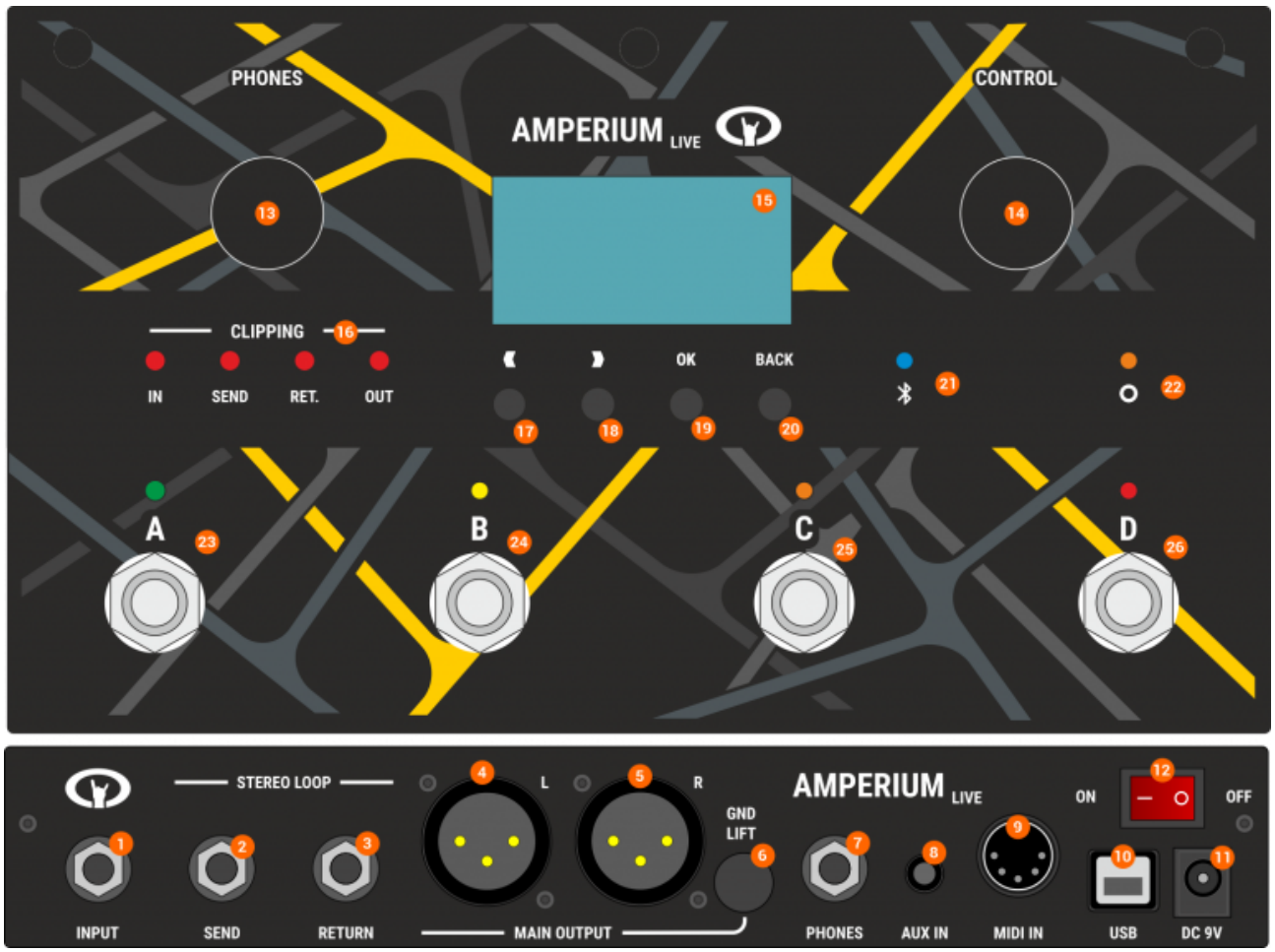
AMPERIUM LIVE is an emulator of a guitar tube amplifier with stereo FX Loop and FX effects.

The **DOMNA** (Direct Optimized Modified Network Analysis) technology is used for modeling, providing more precise simulation on the level of electric schematic.

The processing is distributed between two DSPs: from the device input to the loop send mono-processing is performed on the first dedicated DSP, from the loop return to main outputs stereo-processing (2 channel) is performed on the second dedicated DSP. DI-signal from the device input can be routed to the right FX loop send. The FX loop placing can not be changed.

The control is possible directly from the device itself as well as remotely by using USB or Bluetooth connection. In the latter case the device can be controlled from mobile devices. It should be noted that IR (impulse response) upload is only possible with the USB connection.





1. Guitar INPUT
2. SEND
3. RETURN
4. Main output LEFT – balanced
5. Main output RIGHT – balanced
6. Main outputs ground lift switch
7. Headphones output or unbalanced stereo output
8. AUX input
9. MIDI IN
10. USB
11. Power IN – DC 9V, any polarity
12. Power ON/OFF switch
13. Headphones Level
14. Main Control encoder
15. LCD
16. Clipping indicators for input, send, return and output
17. Page Left button
18. Page Right button
19. OK/SAVE button
20. BACK button
21. Bluetooth connection indicator
22. TEMPO indicator
23. Scene A / Tuner foot switch
24. Scene B / Favorite foot switch
25. Scene C / Bank foot switch
26. Scene D / TAP foot switch

Remote control software

1. Setlists mode button
2. Global tempo tap button
3. Global tempo value
4. Tuner mode button
5. Global settings
6. Application window size (only in the DESKTOP version)
7. Bank name edit button
8. Bank name list
9. Current bank A-D scenes
10. Scene tempo tap button
11. Scene tempo value
12. Use scene tempo, off/on
13. Bank operations
14. Routing page buttons
15. Connection type, software and hardware firmware versions
16. Device name, click for About information.

Routing and blocks

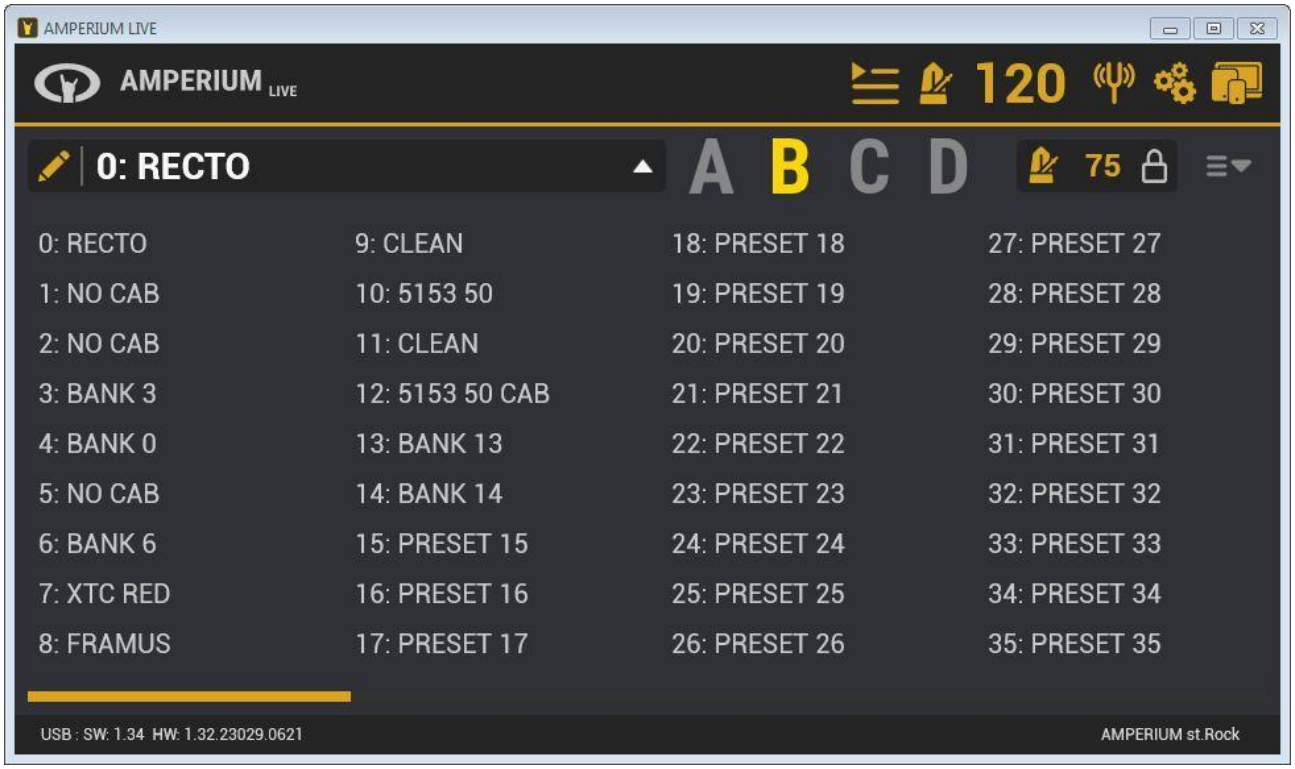
Preamp chain (DSP I) consists of 4 blocks: FX1, FX2, DRV, PRE.
FX1 COMPRESSOR and GATE.
FX2 PHASER and CHORUS-FLANGER-VIBRATO.
DRV overdrive and distortion pedals.
PRE preamp.

DSP II chain consists of 8 blocks with 2 channel processing:
EQU pre power amp equalization
POW power amp
CAB IR-based cabinet emulation
MOD modulation FX
TRM TREMOLO
DLY delays
REV reverberations
MST master processing: MASTER EQ and LIMITER

Working with banks/presets

Bank/preset toolbar

The device has 128 banks/presets, each one has 4 scenes A/B/C/D. Pencil button edits current bank name.



To select a bank open the banks list box, locate the bank and activate it by double clicking. The banks list will not be closed until the list is closed manually, so you can select banks, select scenes within the bank and hear the result during browsing.

Each scene can have its own tempo, such tempo can be set by manual value input or by tapping the tempo button. You should activate scene tempo by the lock button or global tempo will be used.

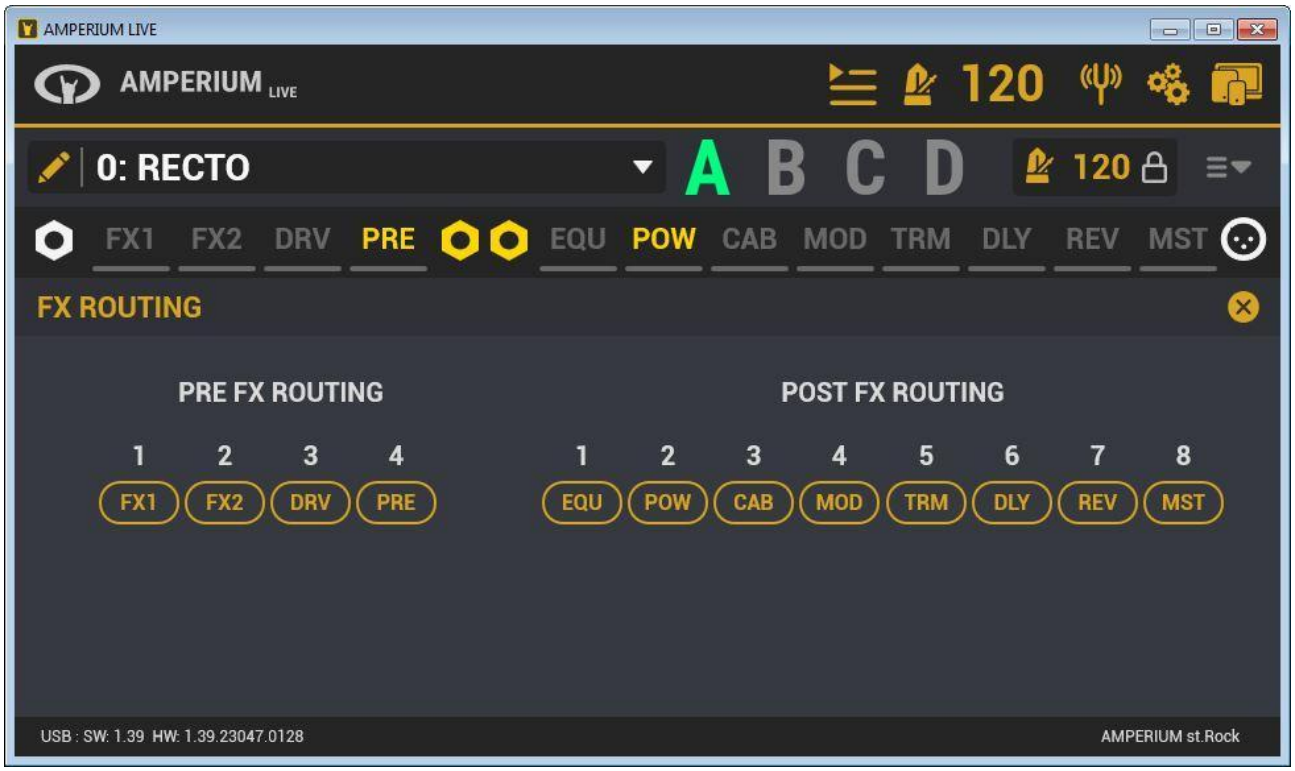
Bank operation menu

COPY CURRENT	It copies the current bank to the memory
PASTE BANK	It copies the bank from the memory to the current bank
PASTE SCENE	It copies the active scene from the bank in the memory to the current scene
SET DEFAULTS	It resets the bank to the default state
SAVE BANK	It saves the bank to the device memory
EXPORT BANK	It exports the bank into the file Only in the DESKTOP version
IMPORT BANK	It imports the bank from the file Only in the DESKTOP version

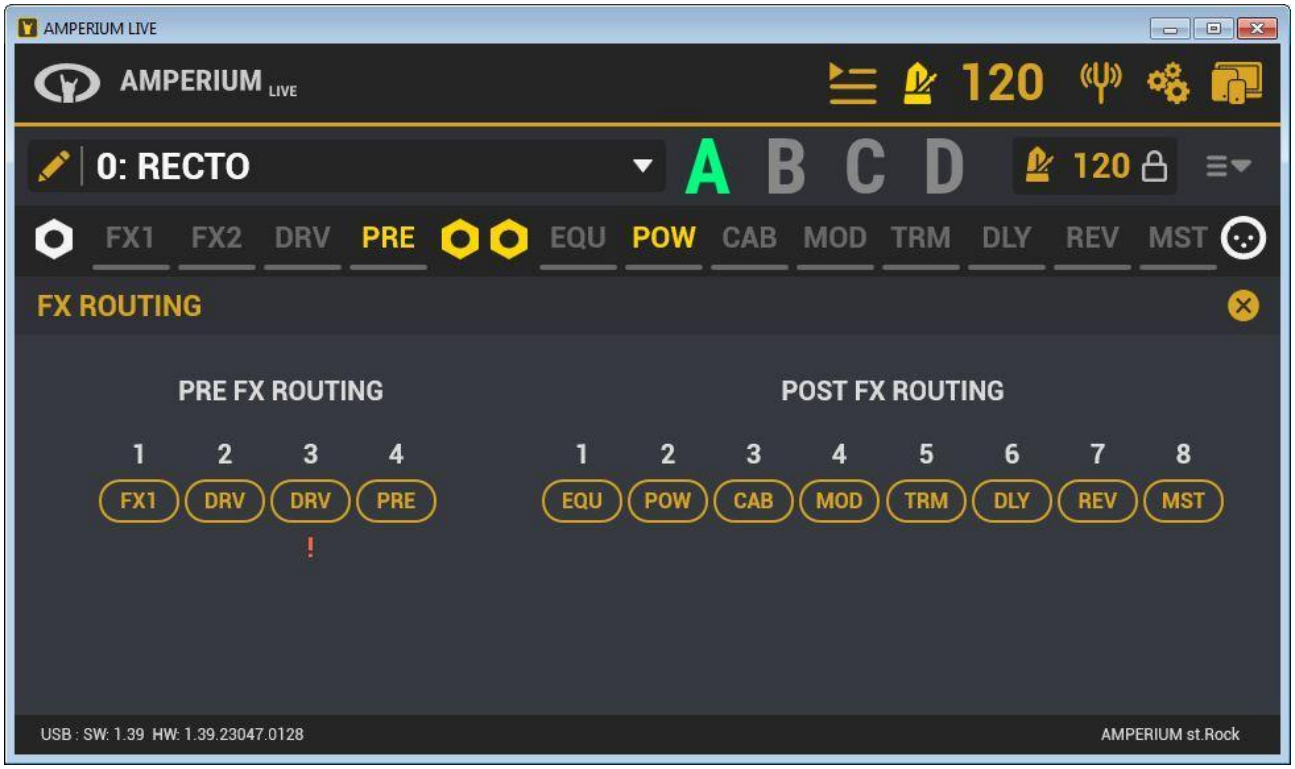
ROUTING AND LEVELS

INPUT	Input level
SEND L/R	Send level for each channel
SEND	Overall send level
MIX	Parallel loop mix level
RETURN	Return level
MASTER L/R	Main output levels
SEND ROUTING	Selects right send source LEFT/DI/OFF
INTERNAL SEND ROUTING	Selects internal (direct from DSP I to DSP II) send sources. LEFT-LEFT/RIGHT-RIGHT/LEFT-RIGHT Note that tip of TRS jack is LEFT, ring is RIGHT
RETURN ROUTING	Selects return sources for each return channel LEFT-LEFT/RIGHT-RIGHT/LEFT-RIGHT
FX ROUTING	Page that allows changing of FX order

FX ROUTING



It allows changing of FX order.
For each block you can select a different block from the popup menu.



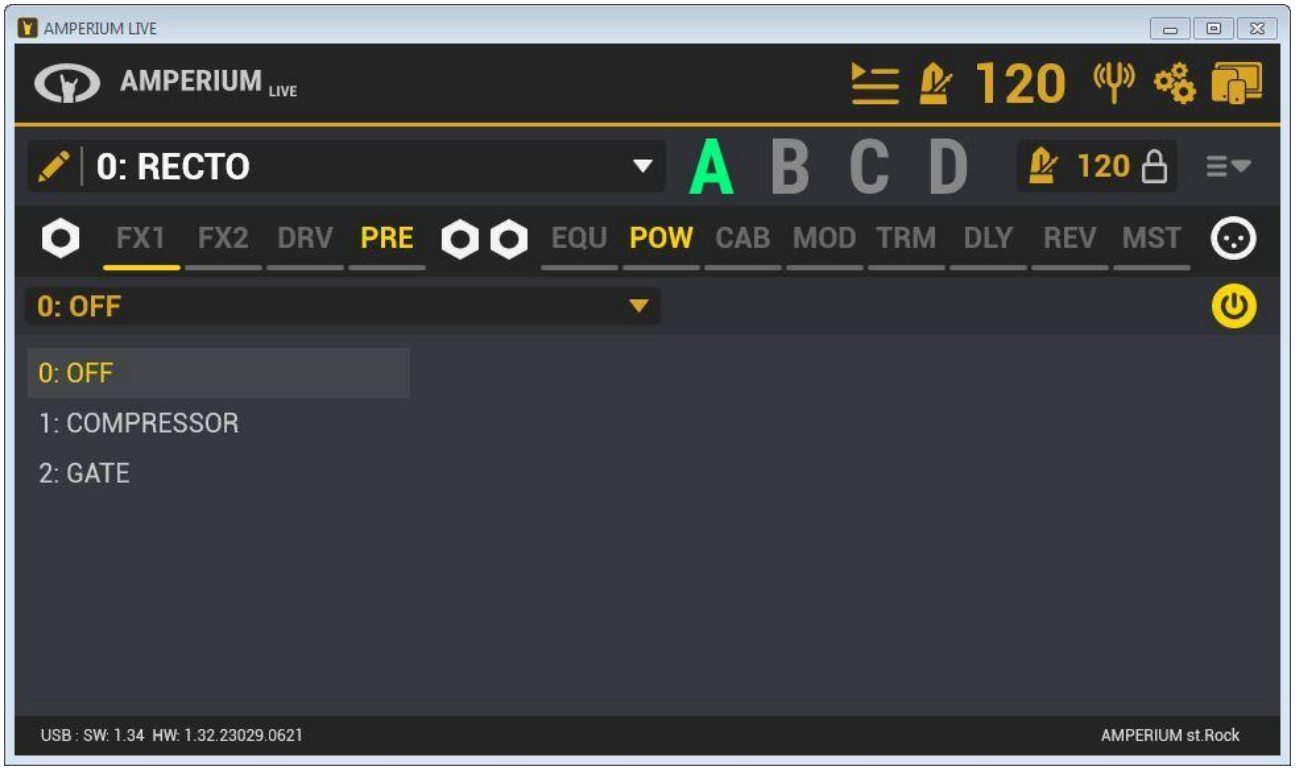
If the same block is already selected, an exclamation mark will appear. In that case you should select a block that is not currently in use.

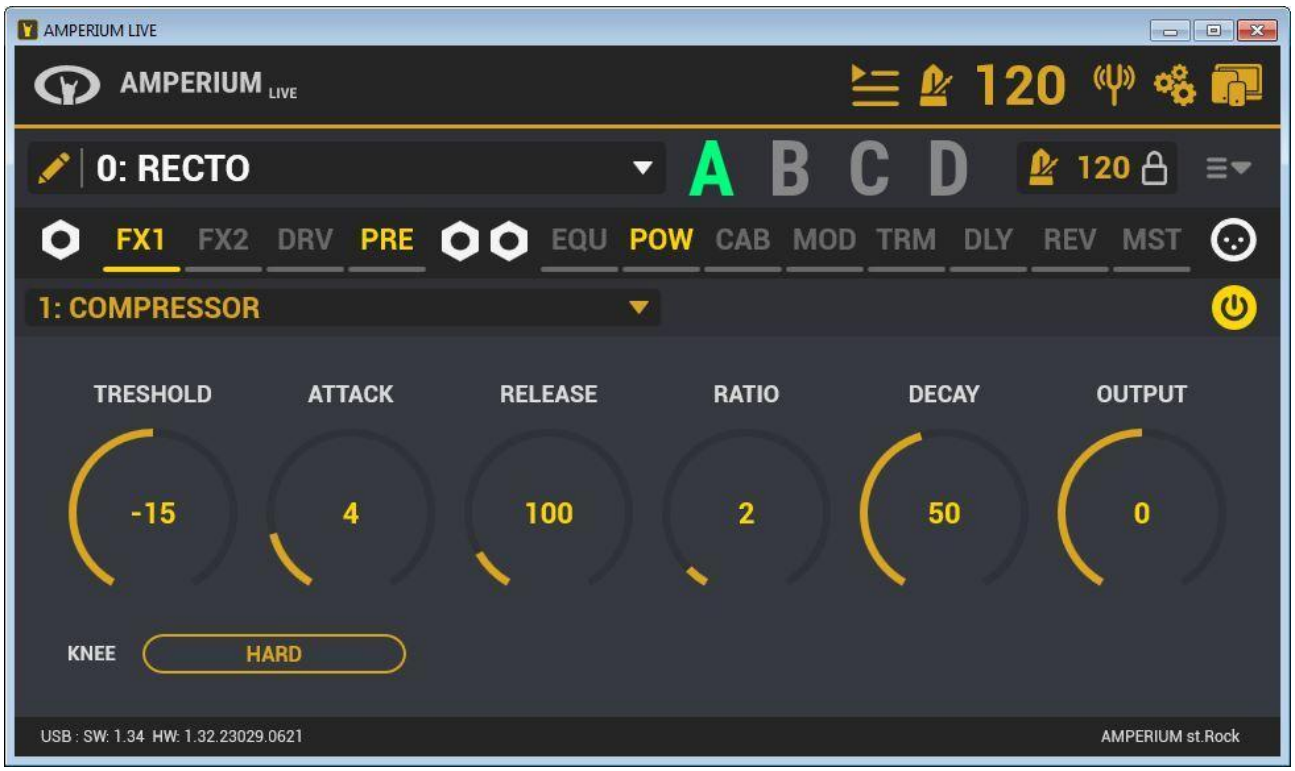
Blocks

Each block has an effect or routing selection drop box and on/off/bypass button.

FX1

The input dynamics block.

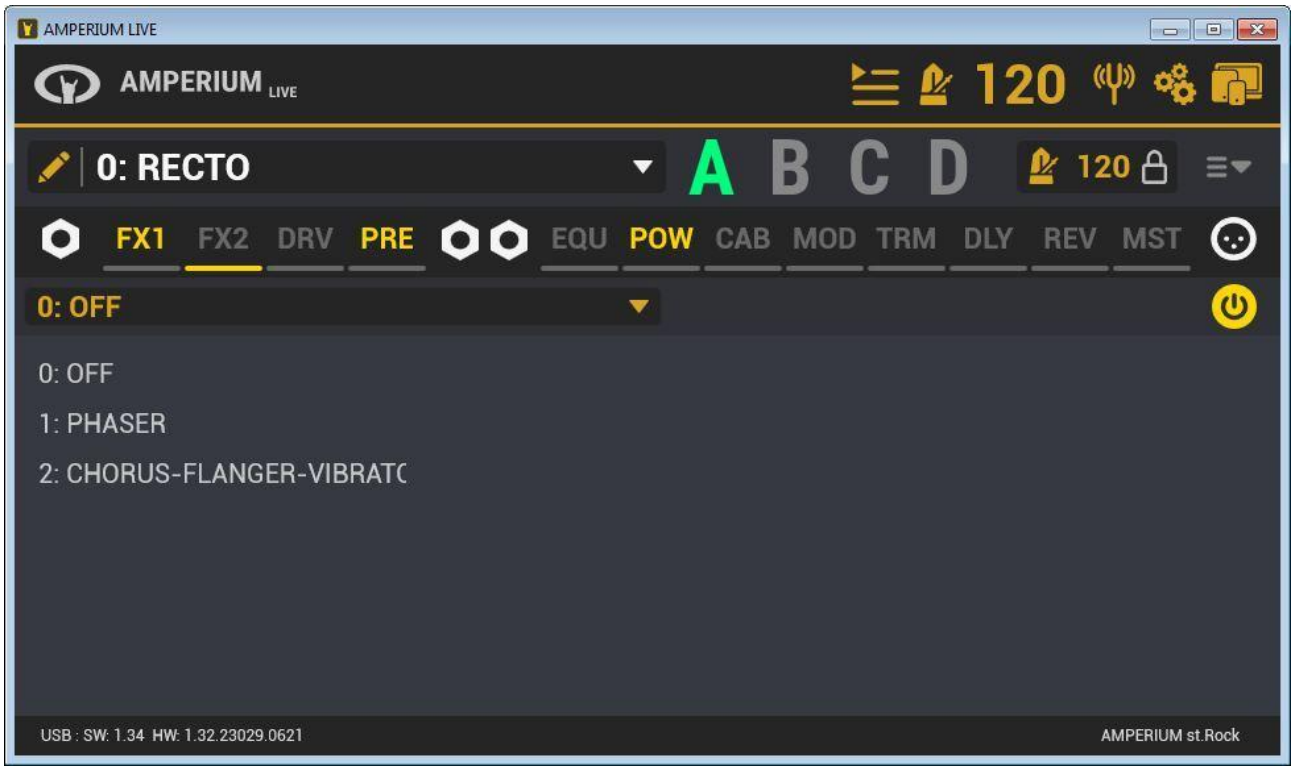


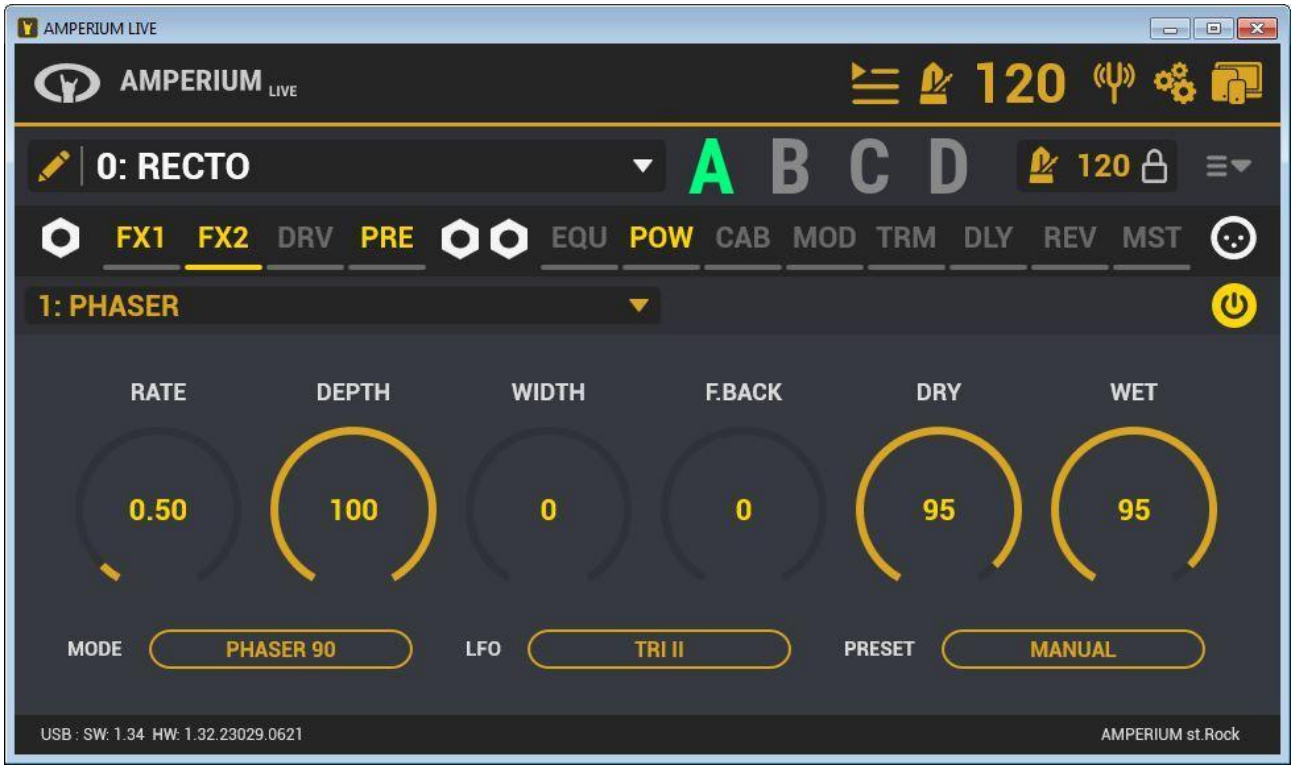

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
1: COMPRESSOR
TRESHOLD
ATTACK
RELEASE
RATIO
DECAY
OUTPUT
-15
4
100
2
50
0
KNEE
HARD
USB : SW: 1.34 HW: 1.32.23029.0621
AMPERIUM st.Rock

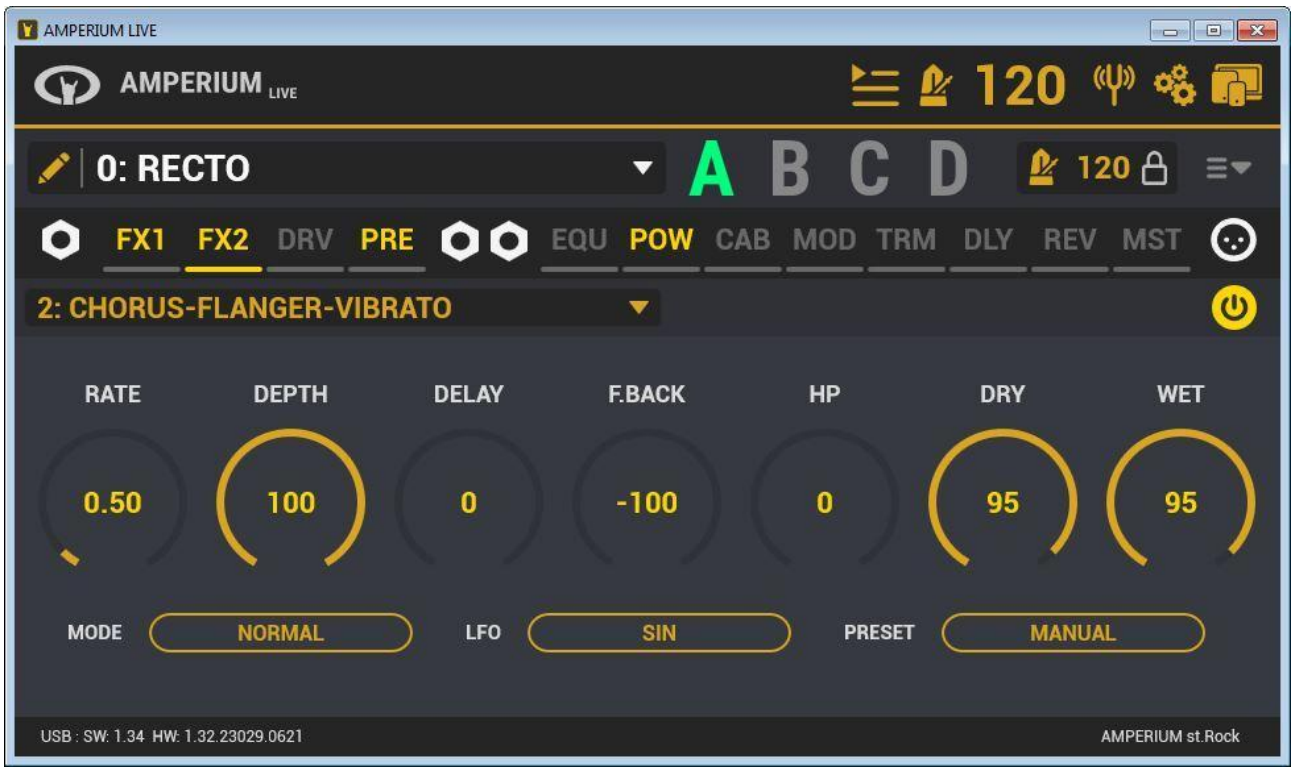

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: GATE
TRESHOLD
ATTACK
RELEASE
-40
4
100
USB : SW: 1.34 HW: 1.32.23029.0621
AMPERIUM st.Rock

FX2

The input modulation FX block.

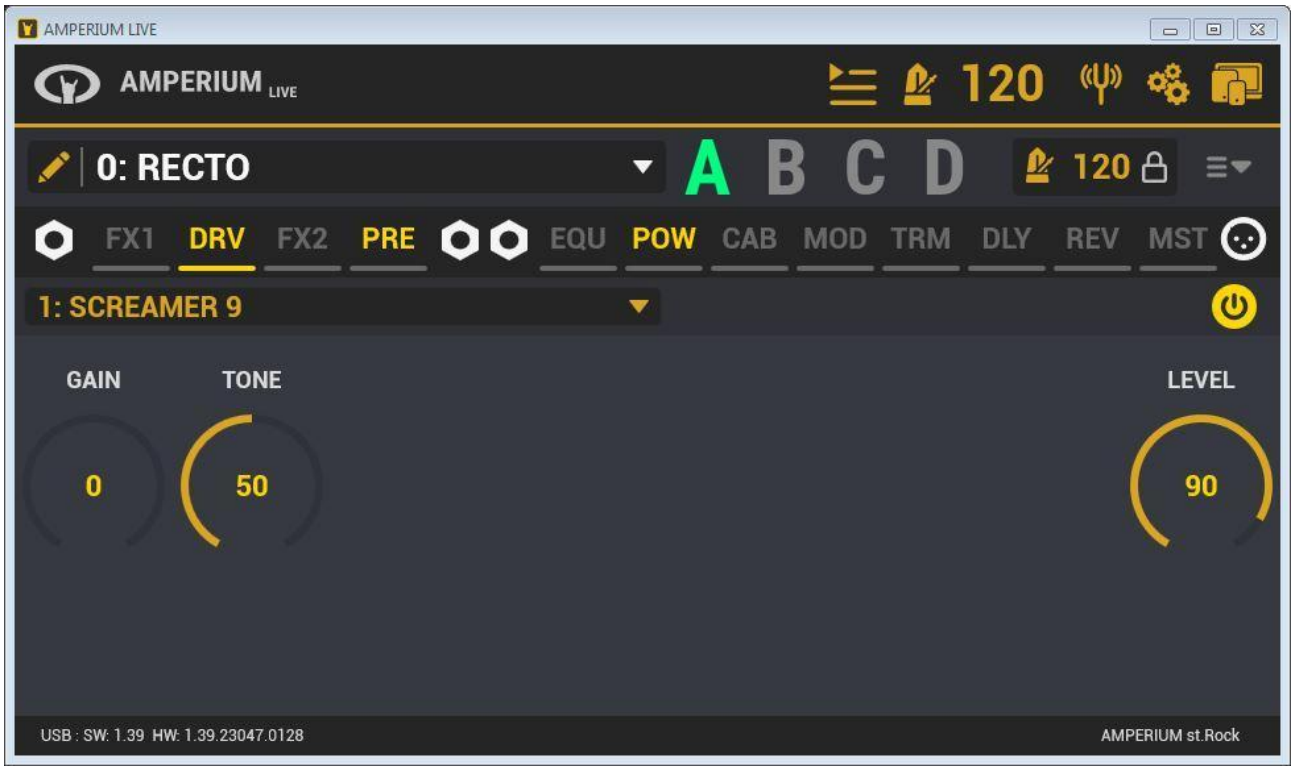





AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: CHORUS-FLANGER-VIBRATO
RATE DEPTH DELAY F.BACK HP DRY WET
0.50 100 0 -100 0 95 95
MODE NORMAL LFO SIN PRESET MANUAL
USB : SW: 1.34 HW: 1.32.23029.0621
AMPERIUM st.Rock

DRV

The Drive/distortion pedals block.
Amount and type of parameters depends on the modeled pedal.
For example TS9 is shown.

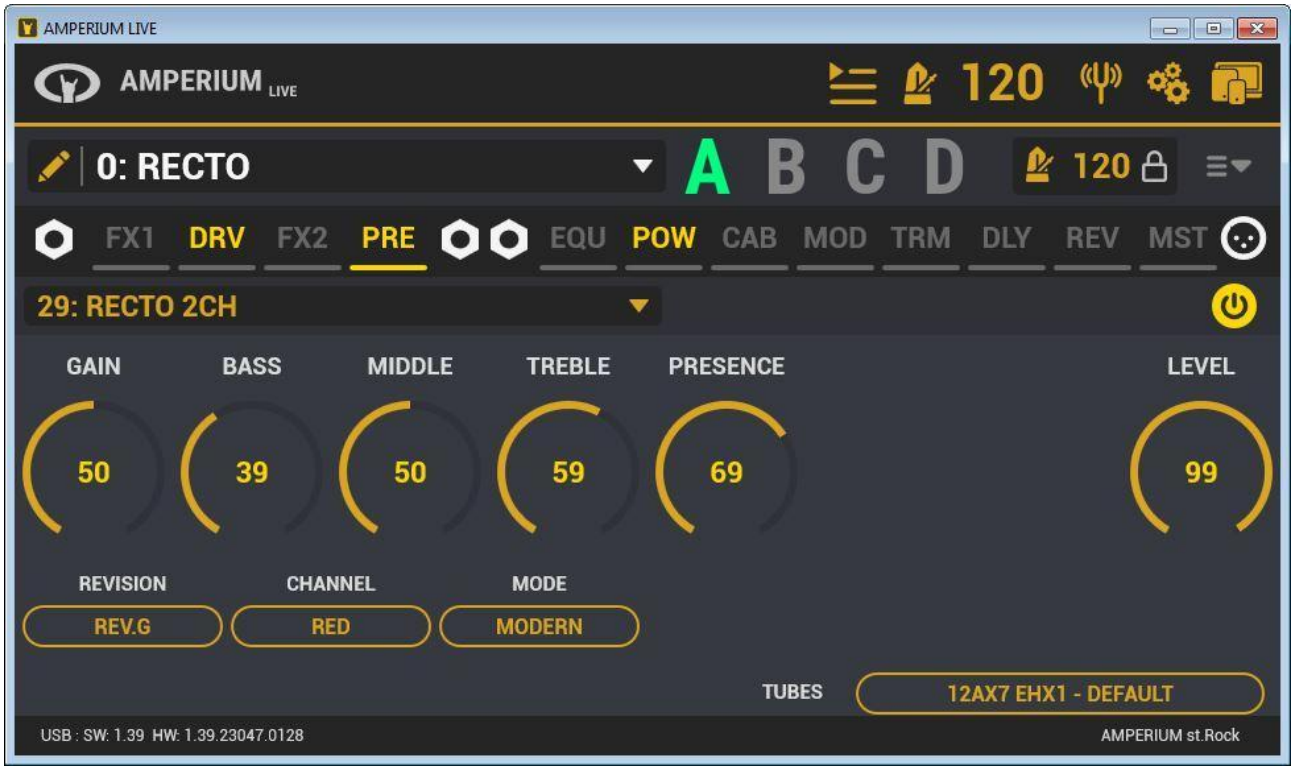


PRE

The preamp block.

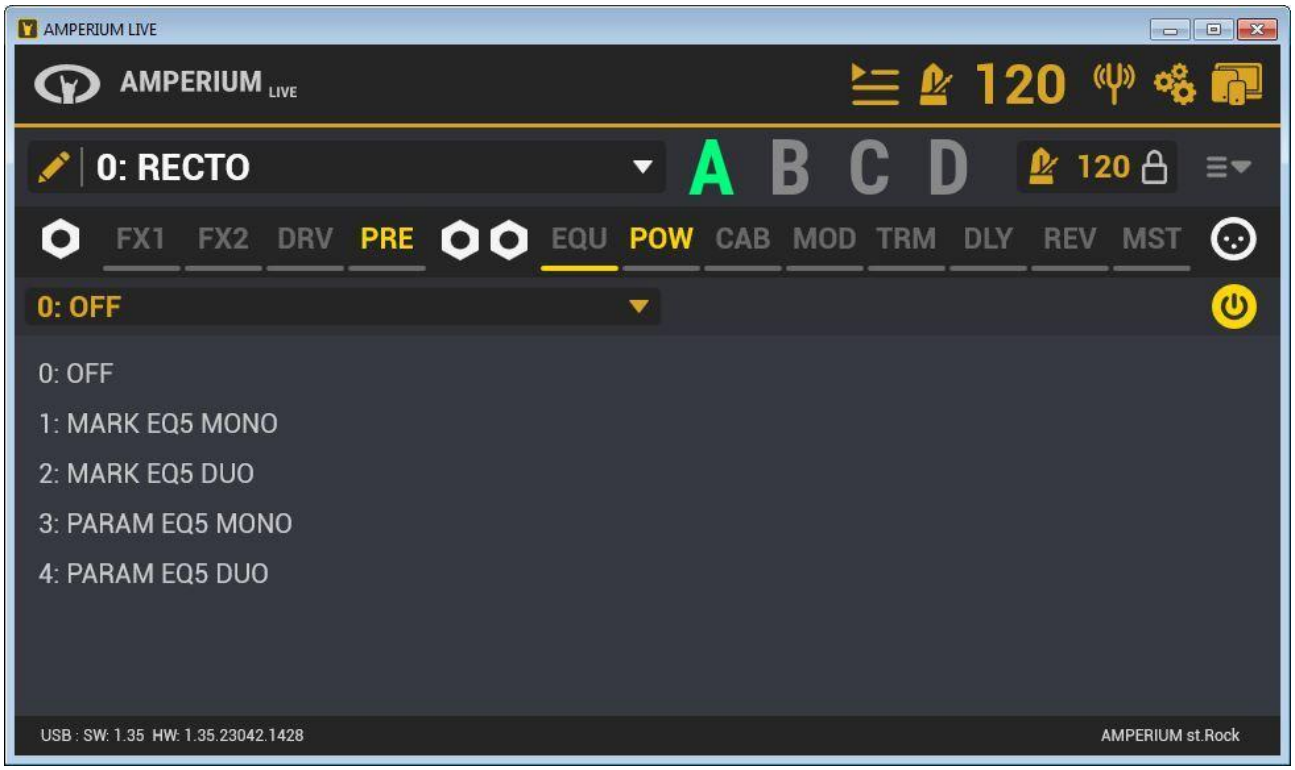
Amount of parameters depends on the realization of a particular preamp model.

TUBES – tube type selection for the entire preamp.



EQU

The equalization block before the power amp.

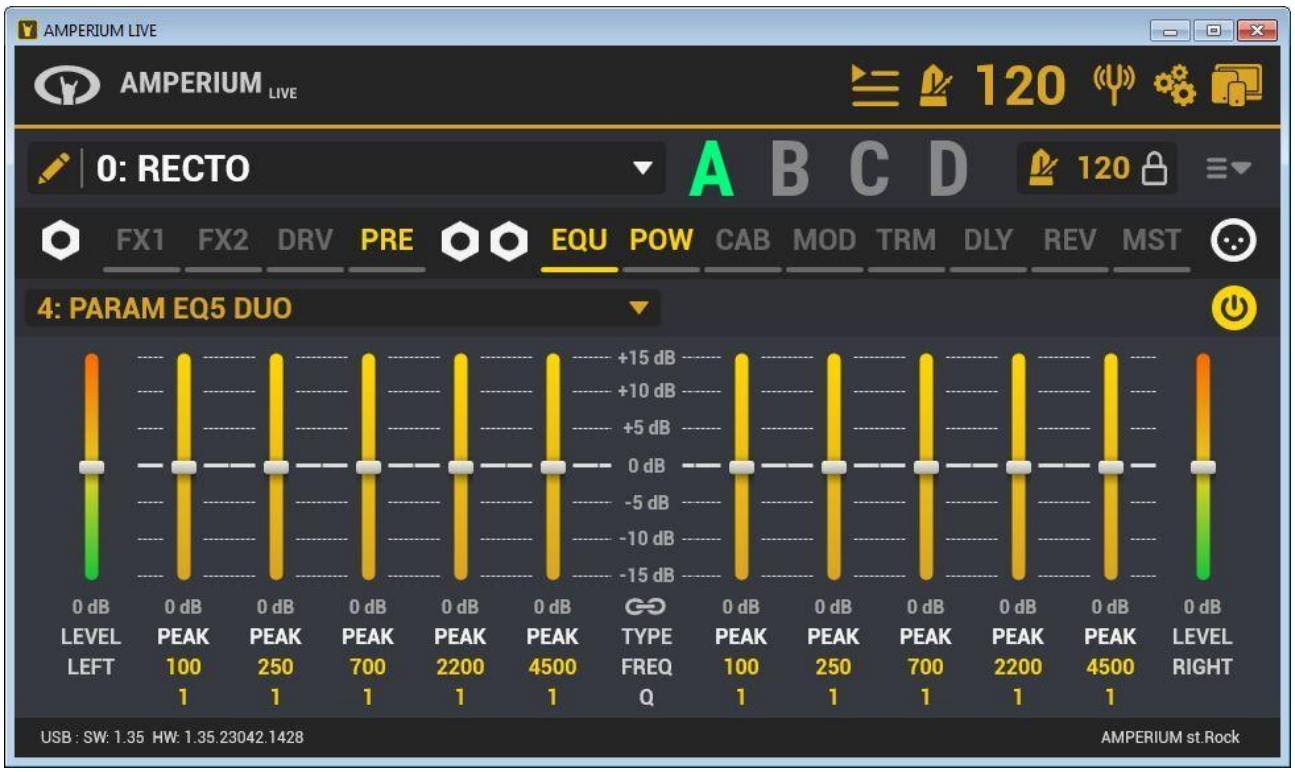


MARK EQ5	The 5-band equalizer based on MARK The model includes bands interdependency
PARAM EQ5	The digital paragraphic 5-band equalizer

INPUT	Input channel LEFT or RIGHT	
OUTPUT	LEFT=RIGHT	Right and left output channels have the same processed signal
	AUTO	In the case of LEFT input selection, the left channel will have EQ, the right channel will not have EQ (bypassed). In the case of RIGHT input, the right channel will have EQ and the left channel will be bypassed


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
1: MARK EQ5 MONO
+15 dB
+10 dB
+5 dB
0 dB
-5 dB
-10 dB
-15 dB
INPUT
LEFT
OUTPUT
LEFT = RIGHT
0 dB 0 dB 0 dB 0 dB 0 dB 0 dB
LEVEL
FREQ 80 Hz 240 Hz 750 Hz 2200 Hz 6600 Hz
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

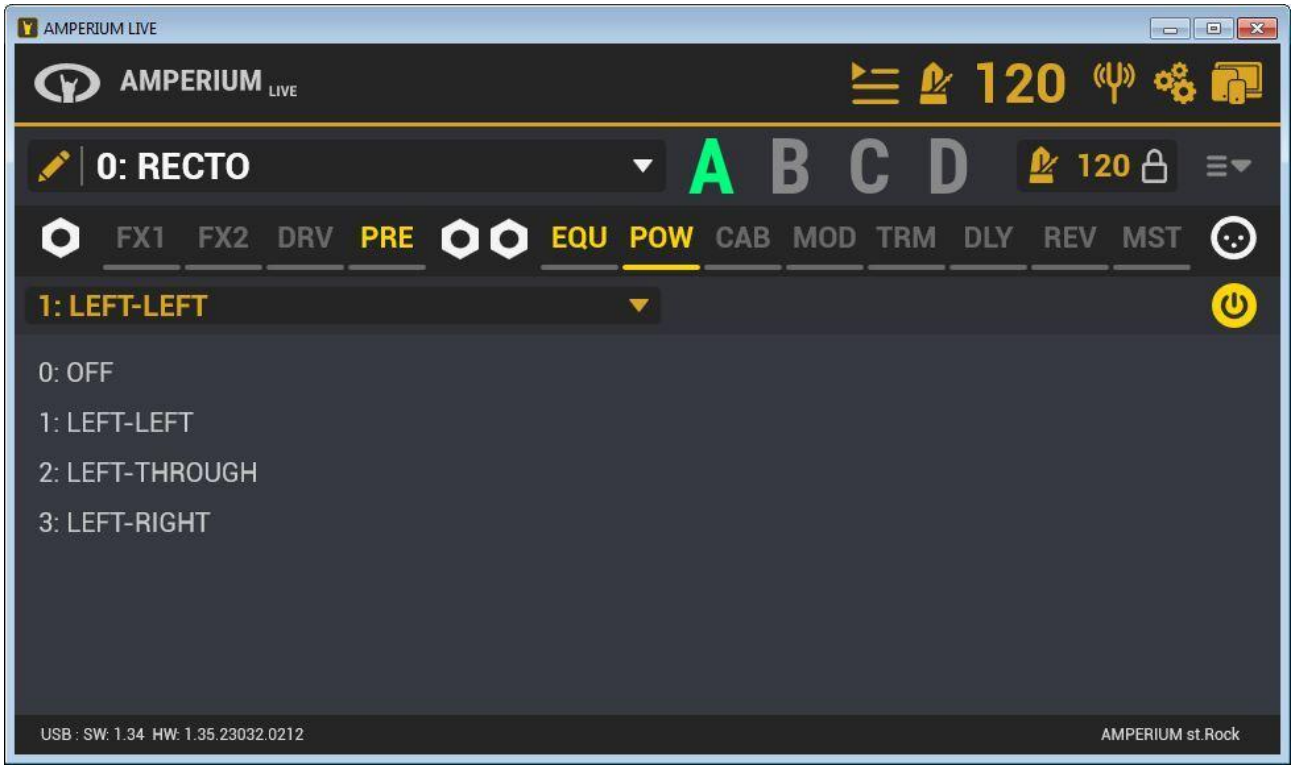

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
3: PARAM EQ5 MONO
+15 dB
+10 dB
+5 dB
0 dB
-5 dB
-10 dB
-15 dB
INPUT
LEFT
OUTPUT
LEFT = RIGHT
0 dB 0 dB 0 dB 0 dB 0 dB 0 dB
TYPE PEAK PEAK PEAK PEAK PEAK LEVEL
FREQ 100 250 700 2200 4500
Q 1 1 1 1 1
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock



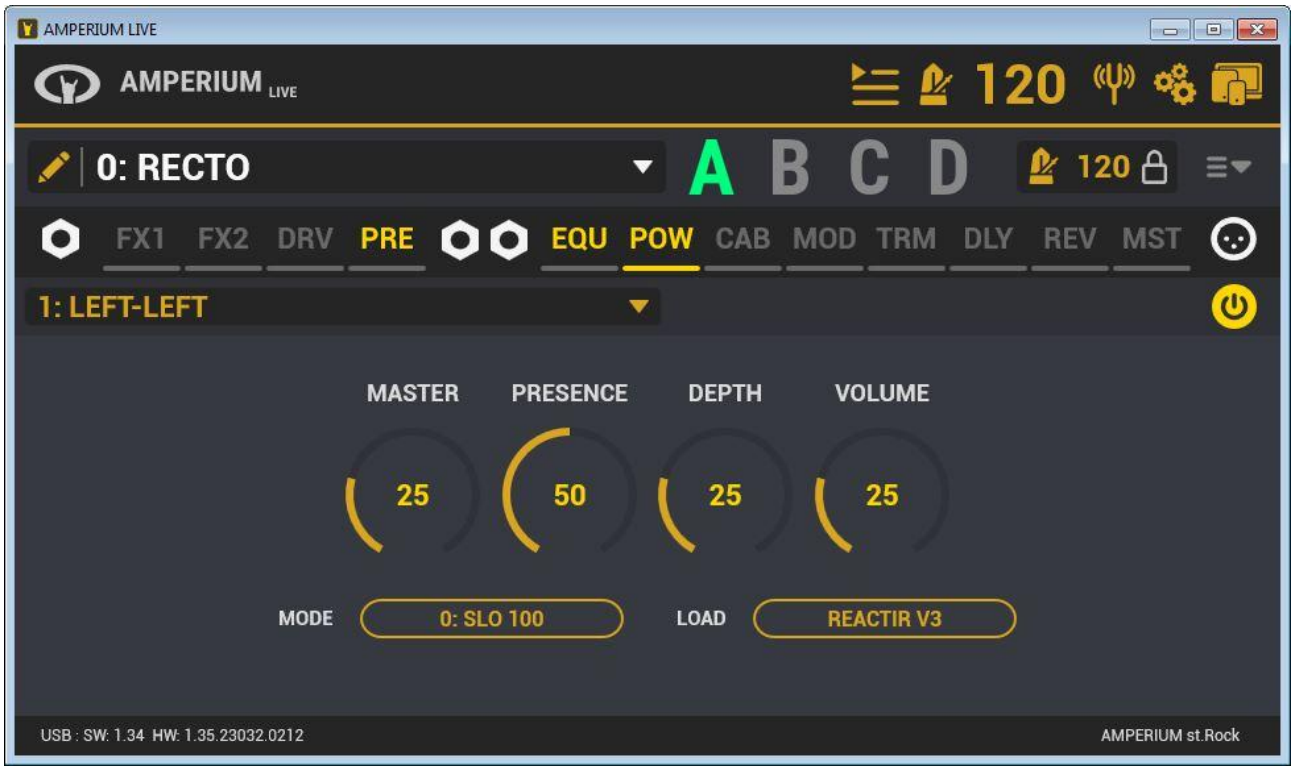
The Link button allows link between the particular sliders at the editing time for convenience, its state will not be saved in the scene.

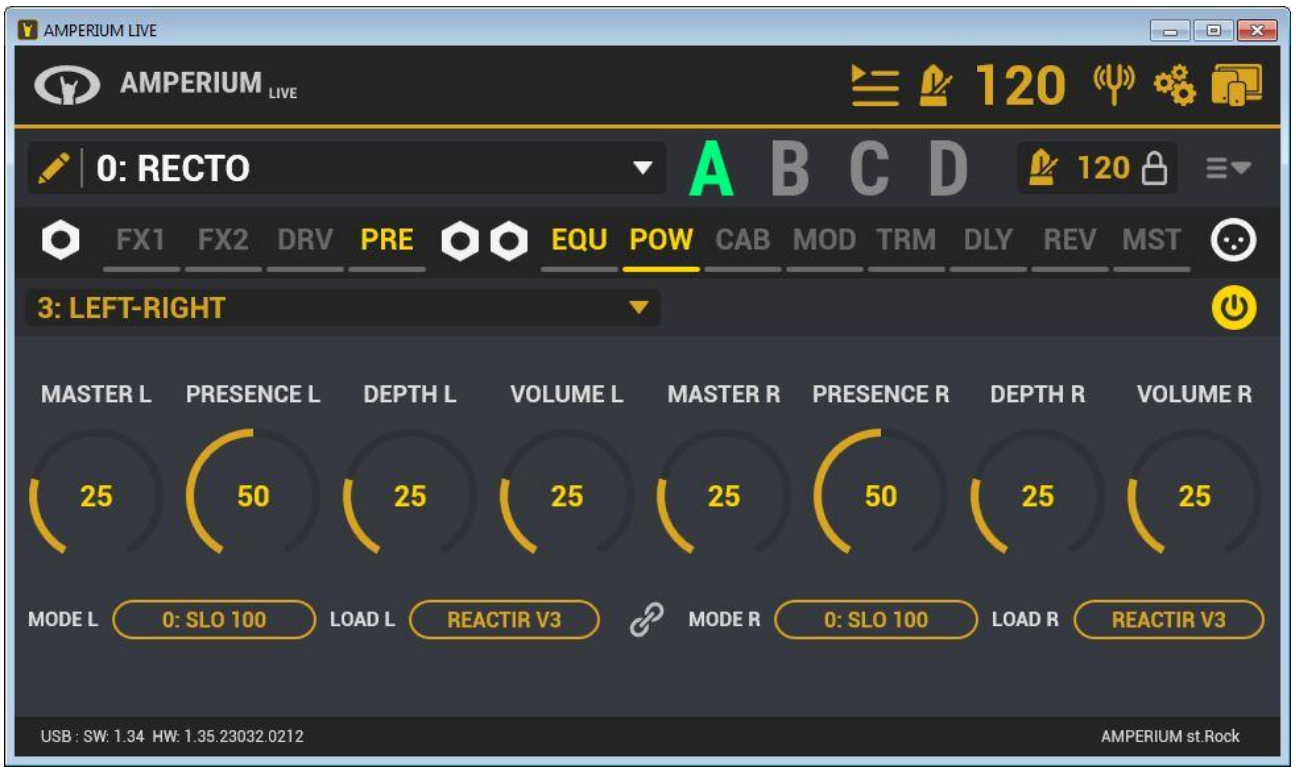
POW

The power amplifier block.



LEFT-LEFT	The left channel will be processed, the result will also be copied to the right channel
LEFT-THROUGH	The left channel will be processed, the right channel will be bypassed
LEFT-RIGHT	Both channels processed independently

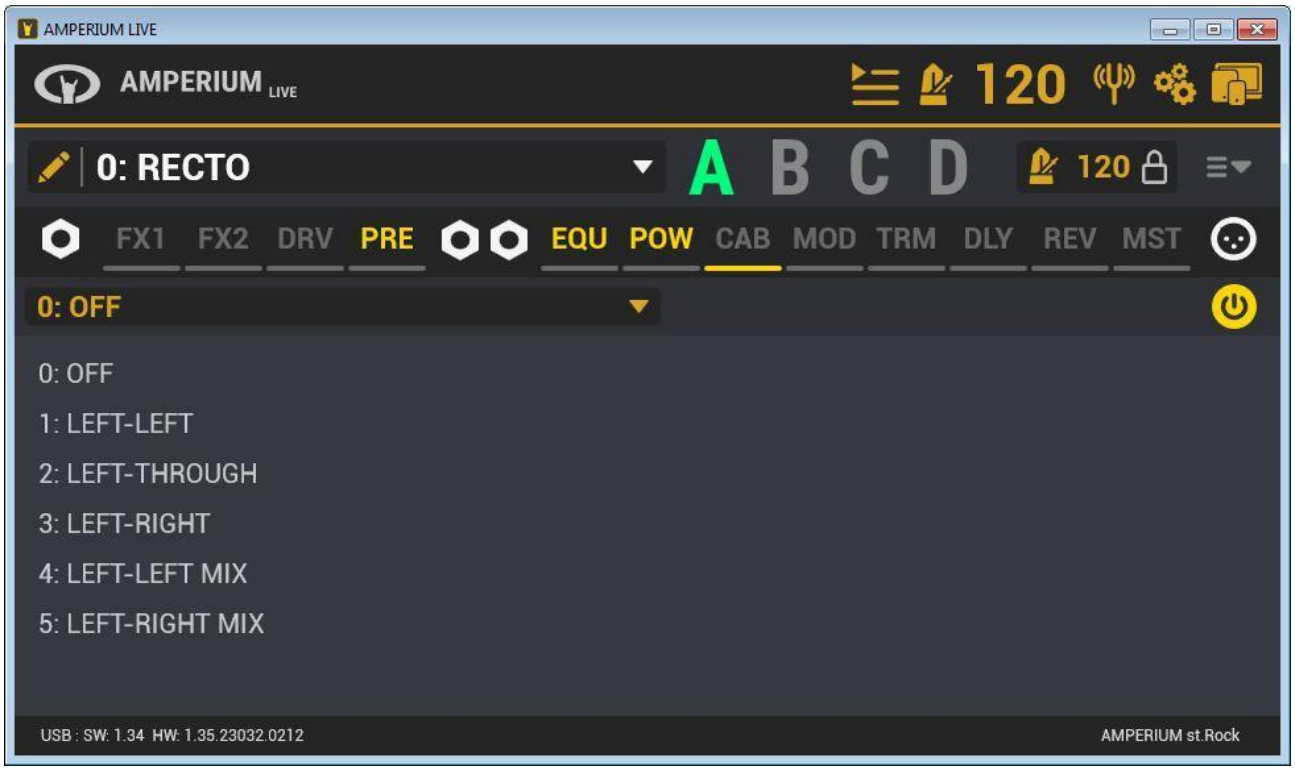




MODE	Power amp model
LOAD	Load type

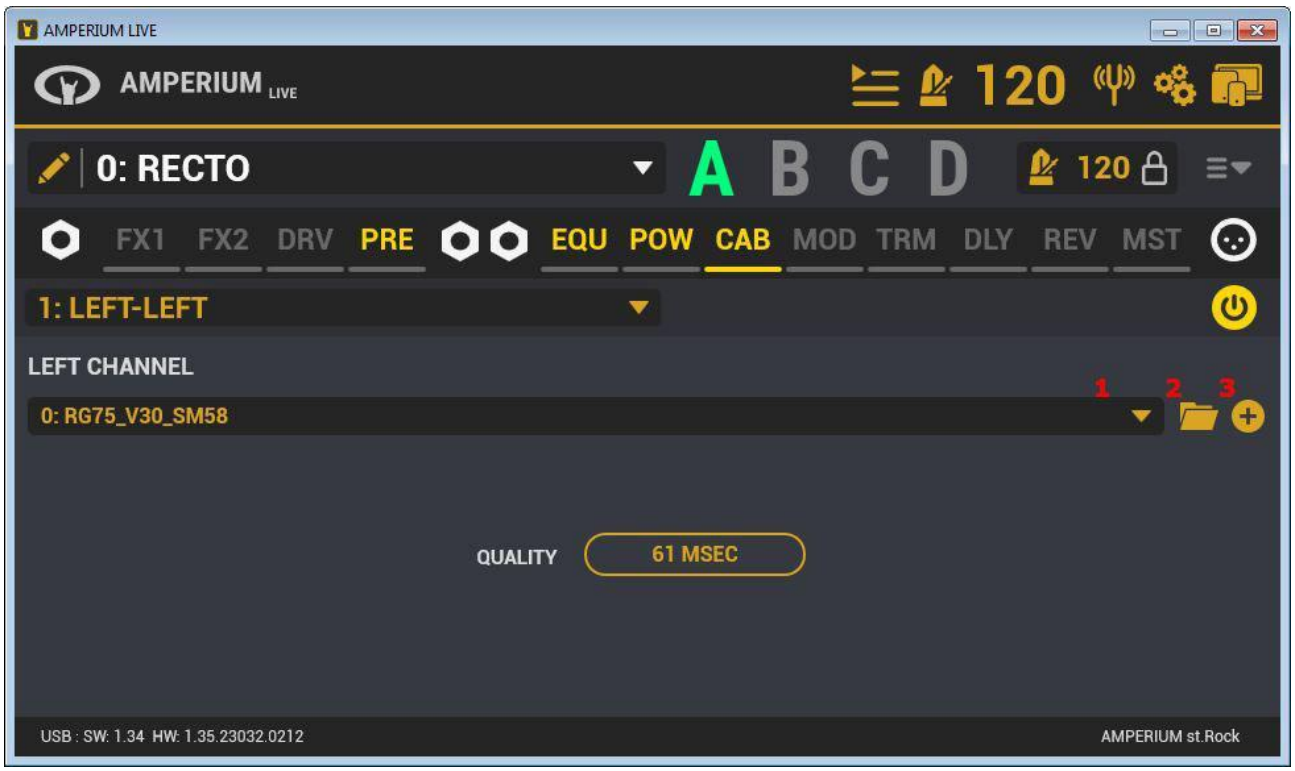
CAB

The cabinet simulation/IR (Impulse Response) loader block.



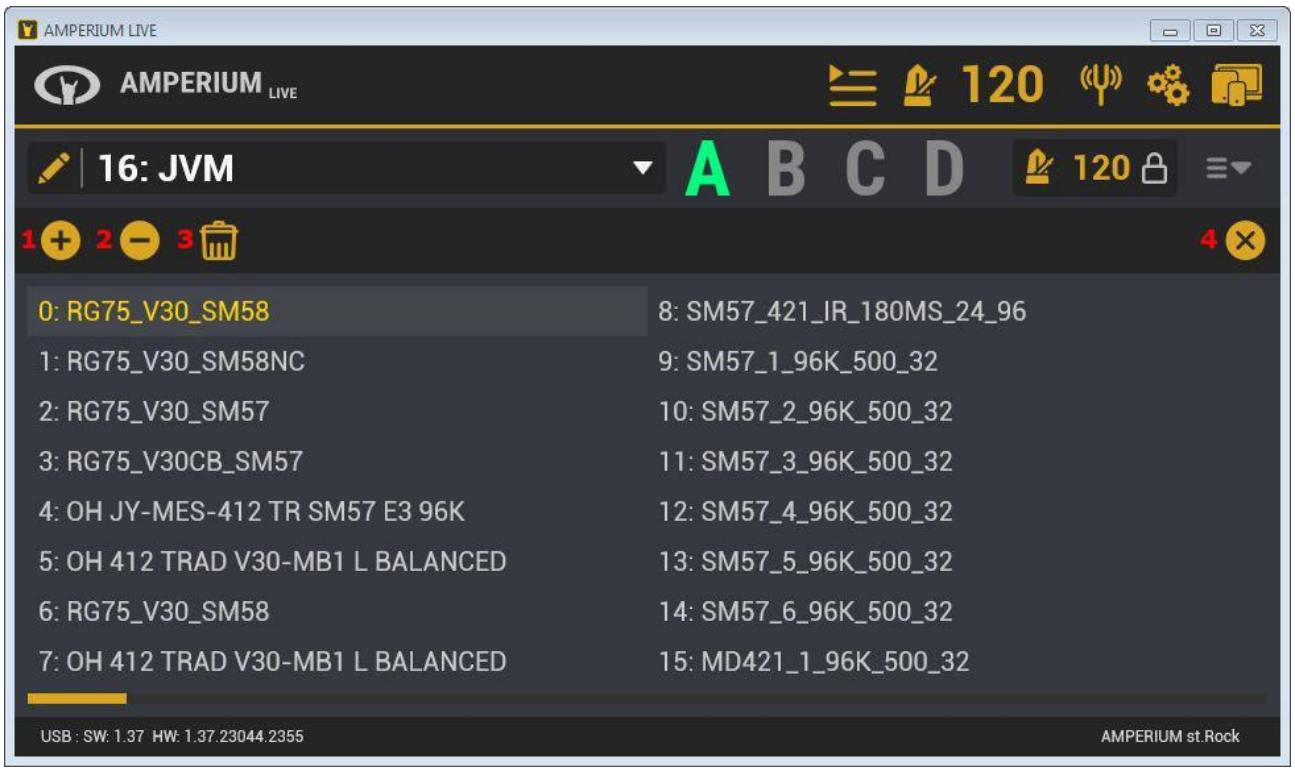
LEFT-LEFT	The left channel will be processed, the result will also be copied to the right channel
LEFT-THROUGH	The left channel will be processed, the right channel will be bypassed
LEFT-RIGHT	Both channels processed independently

IR uploading requires the DESKTOP version with USB connection.

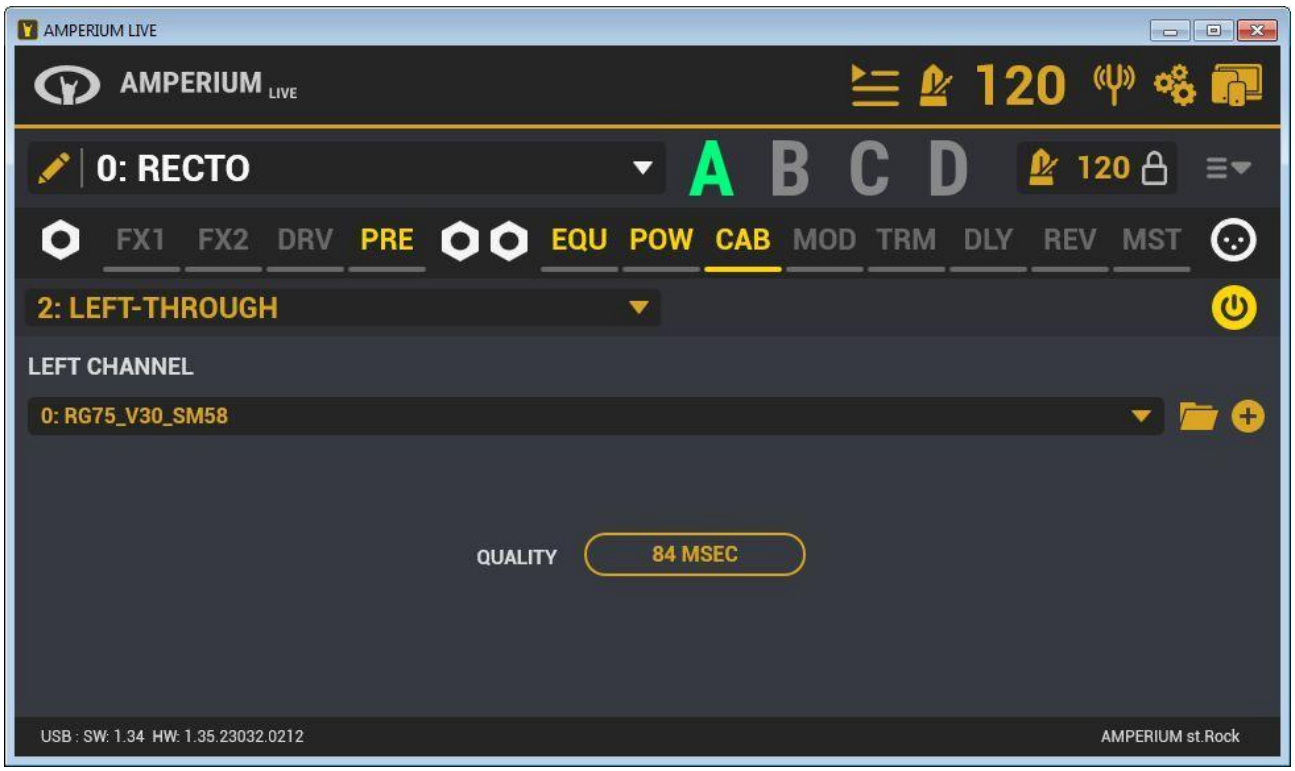


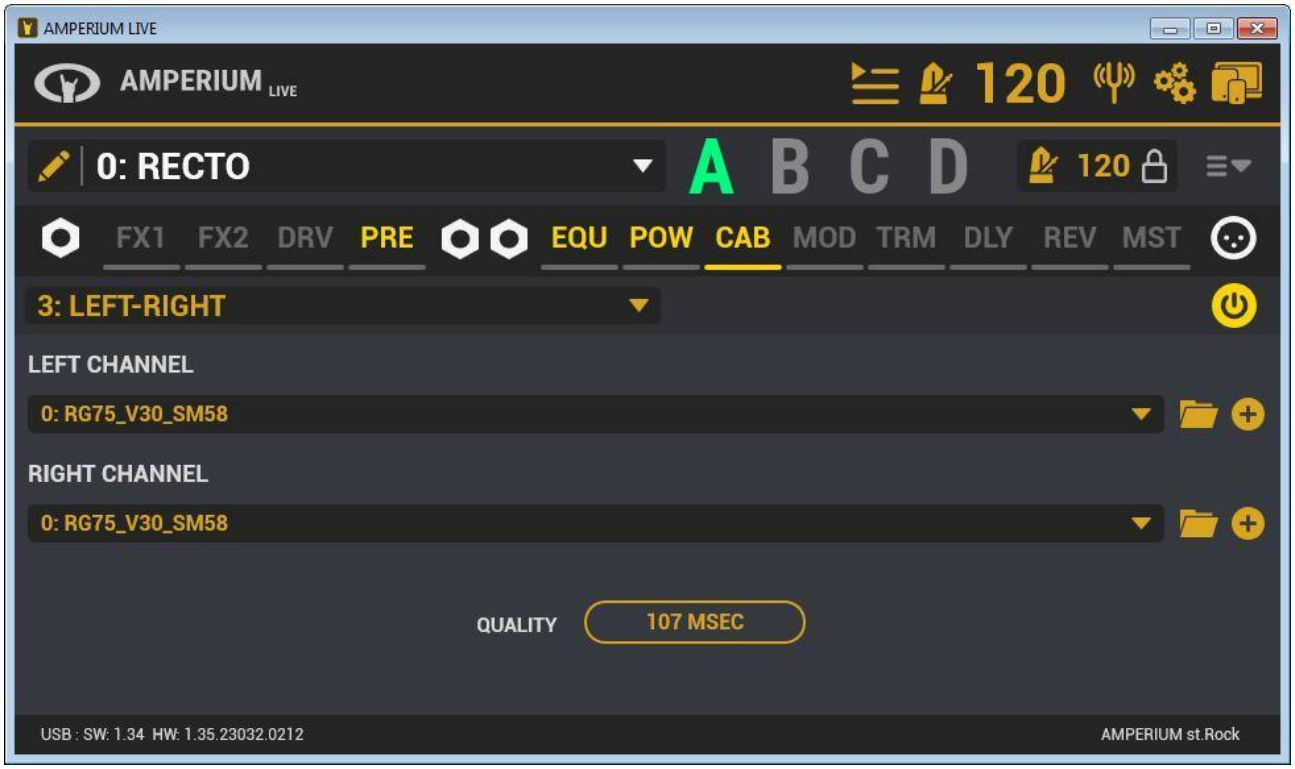
1. The IRs list box. Open to choose from IRs residing in the device memory.
2. The IR file open button (only in the DESKTOP version with USB connection).
   Click to choose an IR from the computer. The sample rate conversion (when needed) and the Minimal Phase Transform (MPT) are performed automatically.
3. The IR add button. Click to add the currently loaded IR to the device memory at the first free slot.

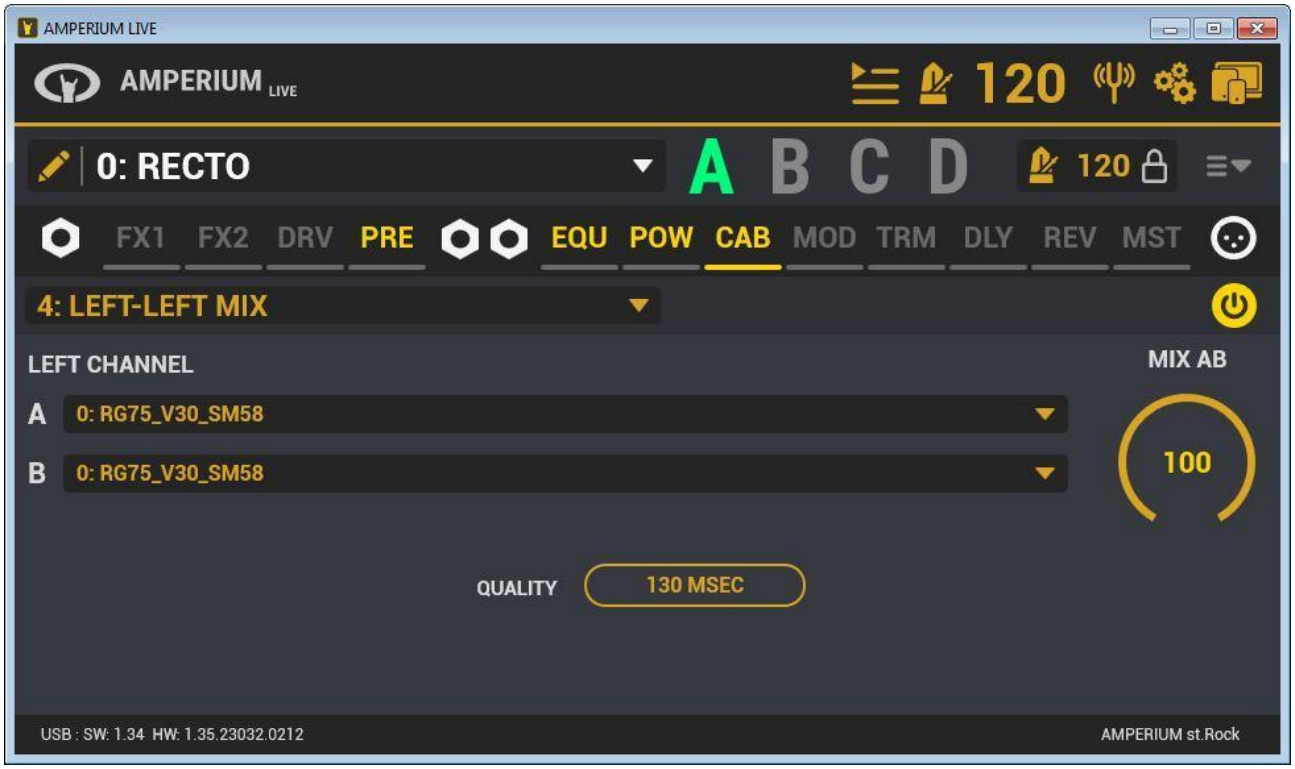
The QUALITY menu sets the IR length, from 61 ms to 177 ms. Longer length requires more processing.

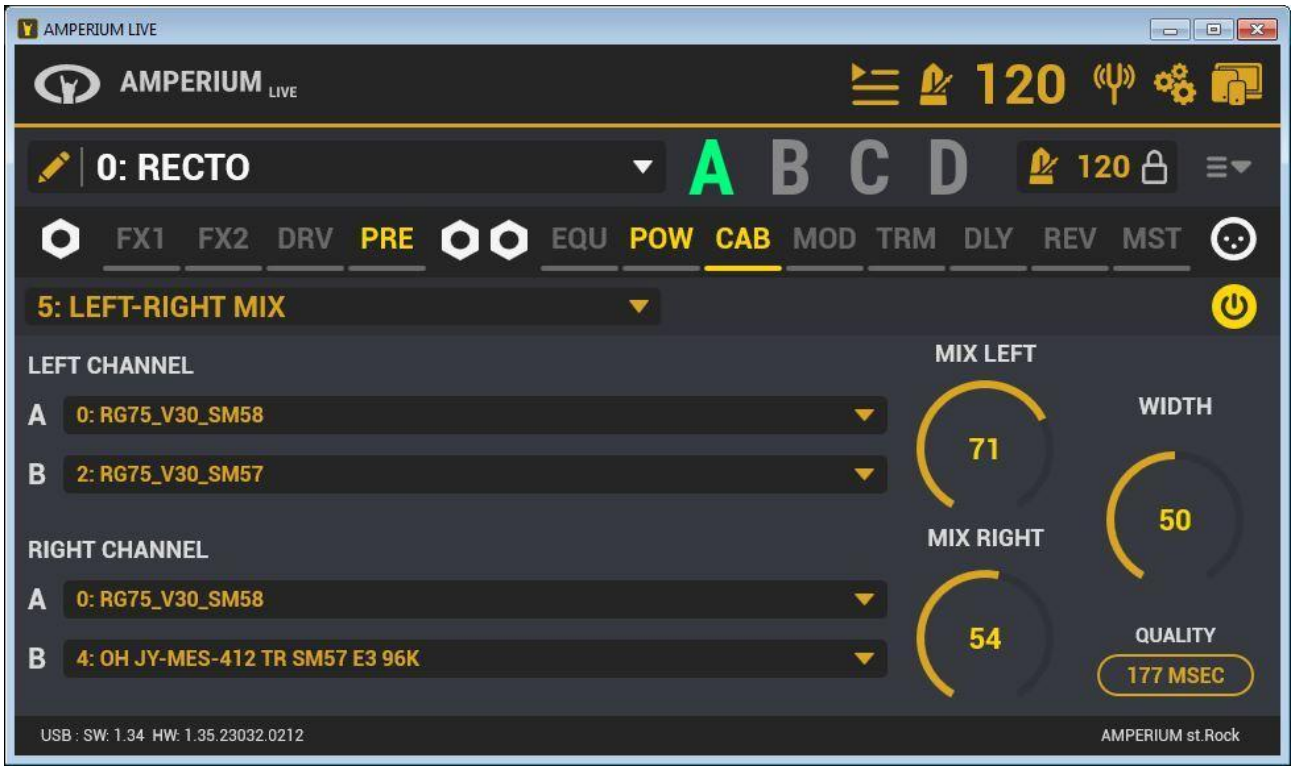


1. Opens file browser to choose an IR from computer and adds the opened IR to the first free slot in the device memory (only in the DESKTOP version with USB connection).
2. Removes the selected IR from the slot (only in the DESKTOP version with USB connection).
3. Removes all IRs stored in the device memory (only in the DESKTOP version with USB connection).
4. Closes the IRs list.


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: LEFT-THROUGH
LEFT CHANNEL
0: RG75_V30_SM58
QUALITY
84 MSEC
USB : SW: 1.34 HW: 1.35.23032.0212
AMPERIUM st.Rock

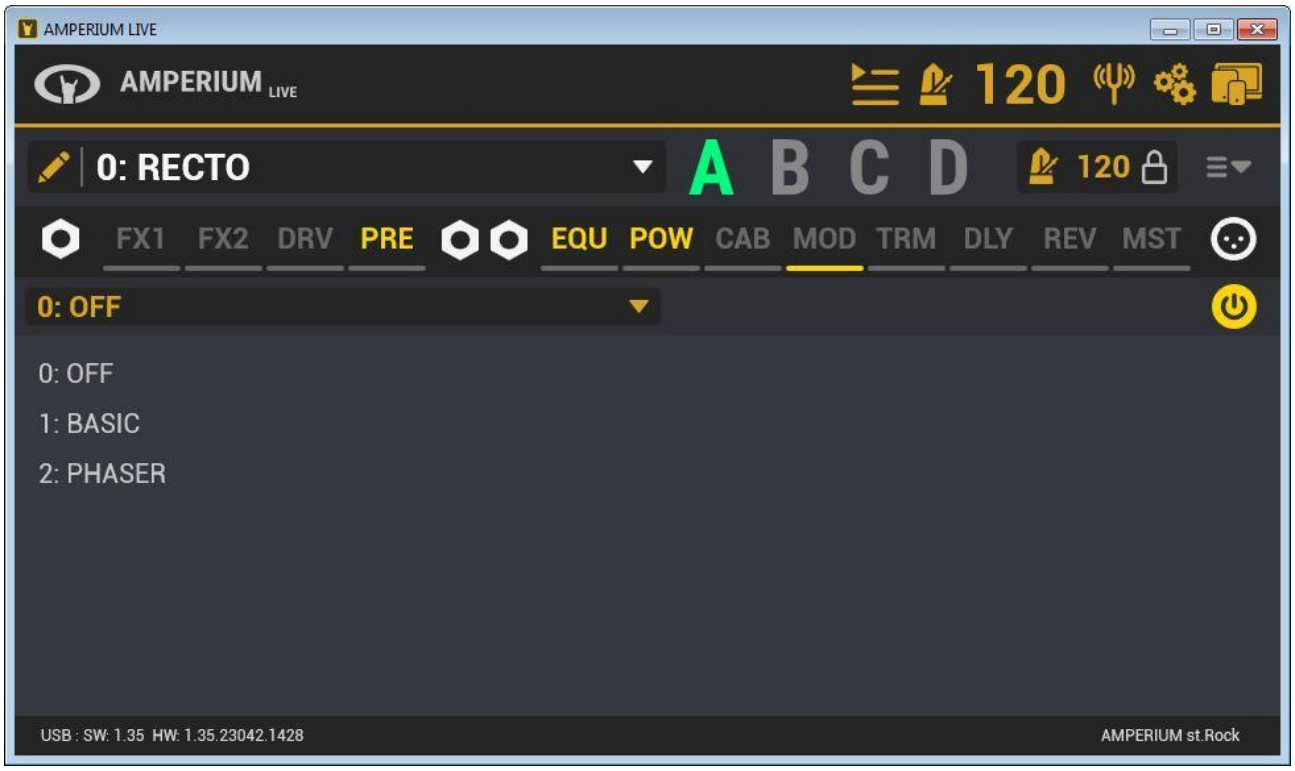

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
3: LEFT-RIGHT
LEFT CHANNEL
0: RG75_V30_SM58
RIGHT CHANNEL
0: RG75_V30_SM58
QUALITY
107 MSEC
USB : SW: 1.34 HW: 1.35.23032.0212
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
4: LEFT-LEFT MIX
LEFT CHANNEL
A 0: RG75_V30_SM58
B 0: RG75_V30_SM58
MIX AB
100
QUALITY
130 MSEC
USB : SW: 1.34 HW: 1.35.23032.0212
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
5: LEFT-RIGHT MIX
LEFT CHANNEL
A 0: RG75_V30_SM58
B 2: RG75_V30_SM57
RIGHT CHANNEL
A 0: RG75_V30_SM58
B 4: OH JY-MES-412 TR SM57 E3 96K
MIX LEFT
71
MIX RIGHT
54
WIDTH
50
QUALITY
177 MSEC
USB : SW: 1.34 HW: 1.35.23032.0212
AMPERIUM st.Rock

MOD

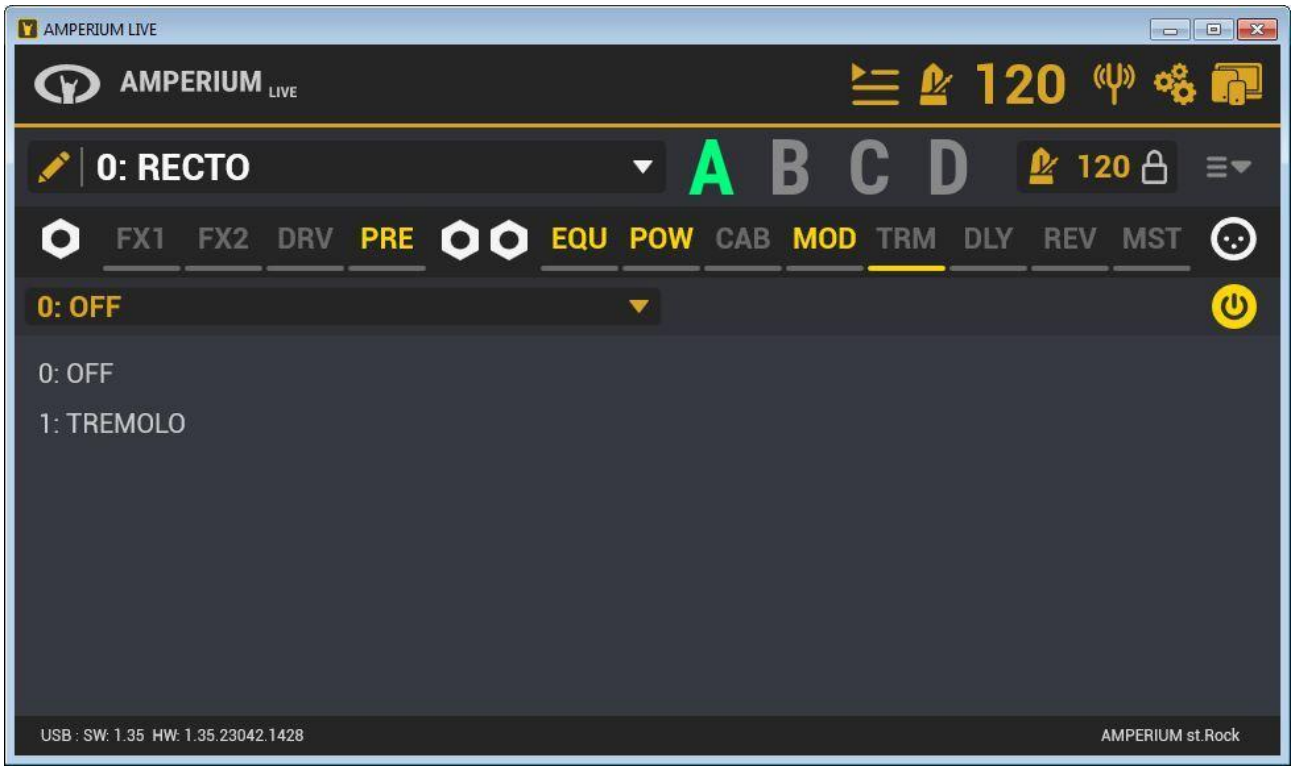
The modulation block.




AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: PHASER
RATE
DEPTH
FREQ
F.BACK
DRY
WET
1.00
1600
440
0
90
90
MODE
4 STAGES
SYNC
MANUAL
LFO
TRI 0-180
PRESET
MANUAL
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

TRM

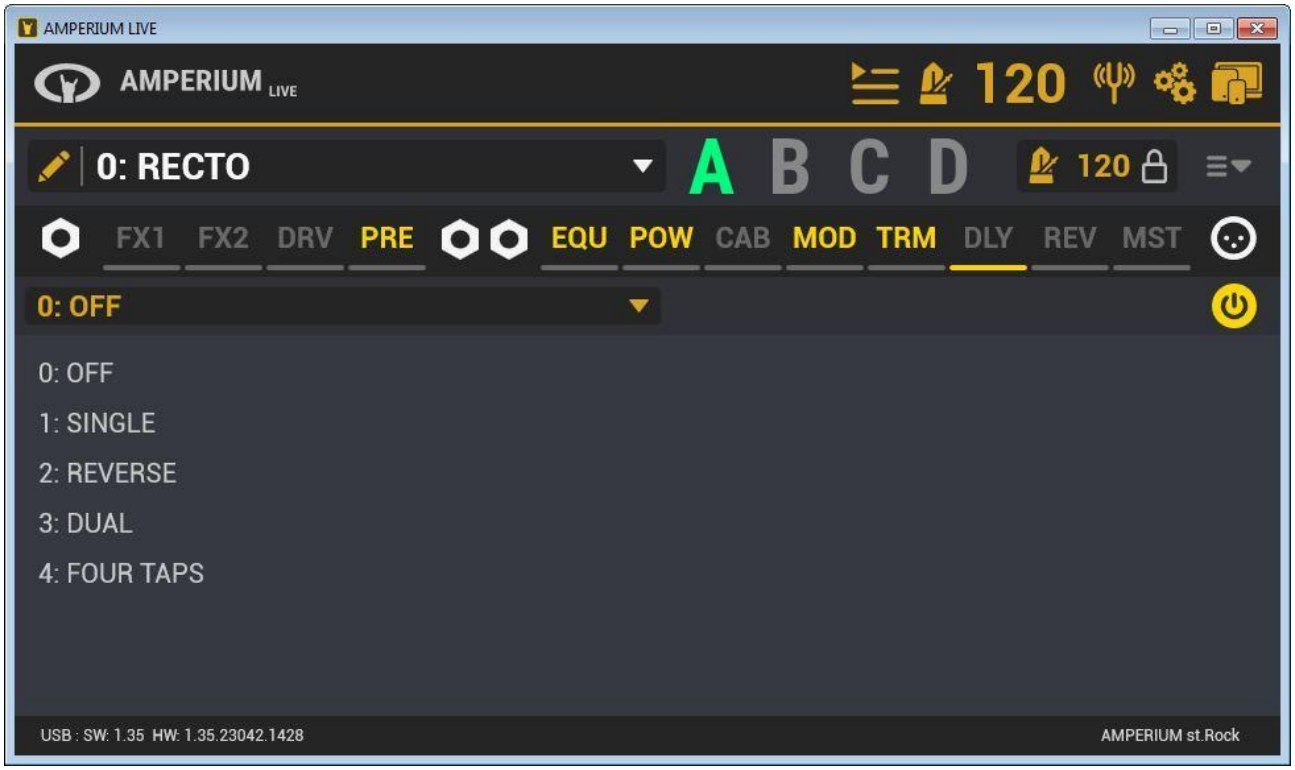
The tremolo block.

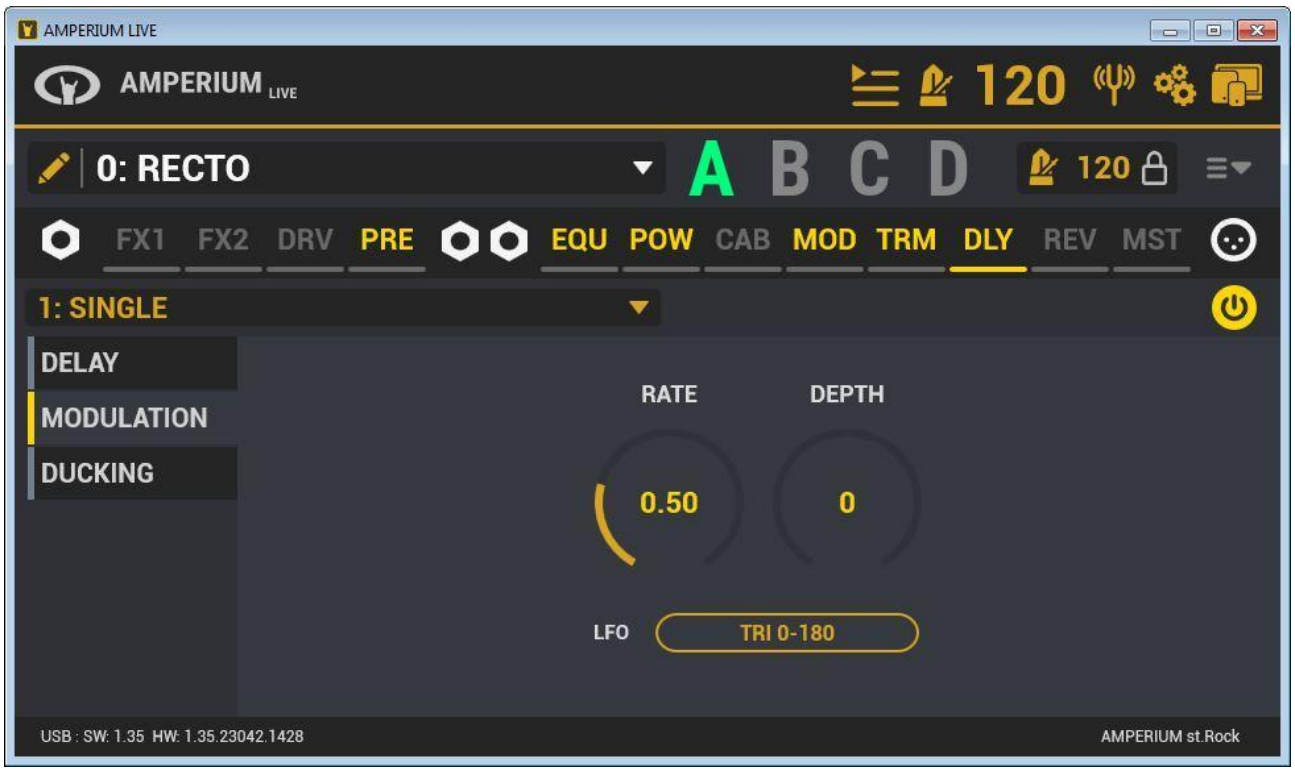


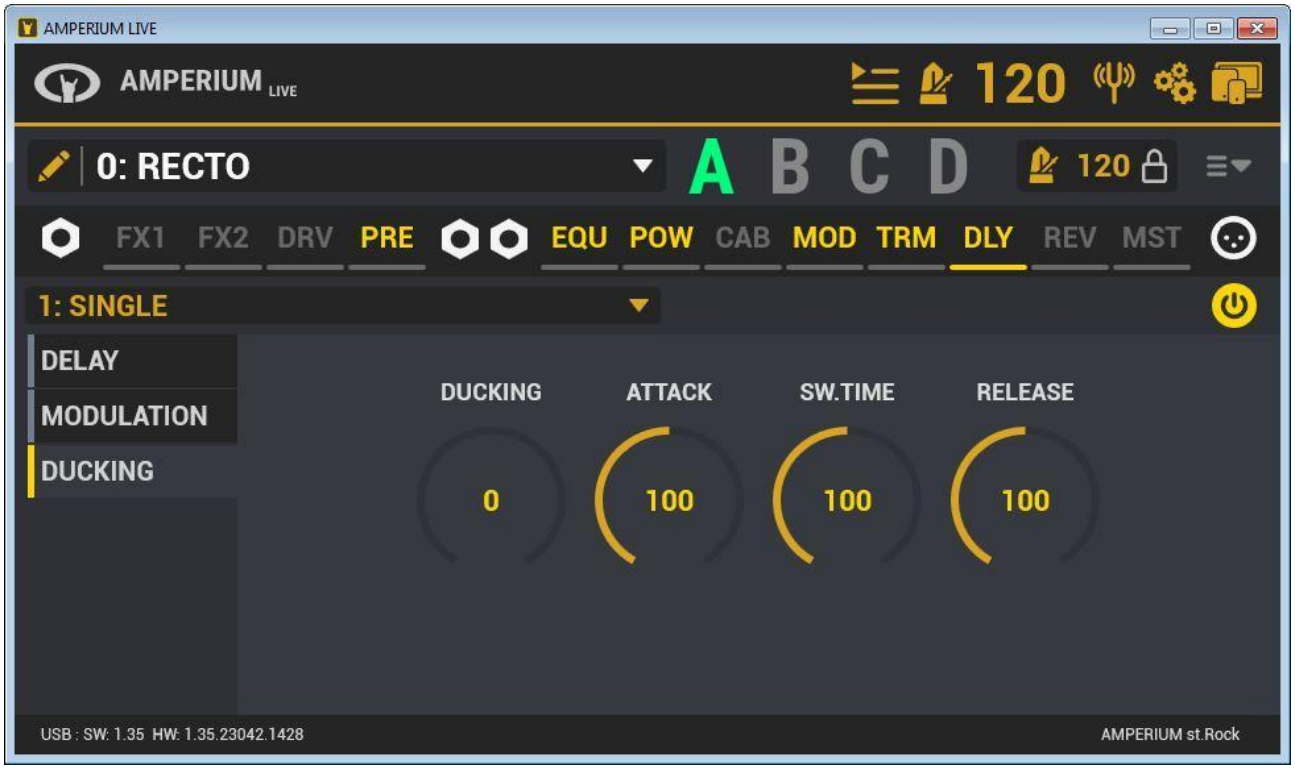
DLY

The delay block.

Note that the TAIL parameter controls whether the delay tail will be continued in the next switched preset.




AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
1: SINGLE
DELAY
MODULATION
DUCKING
RATE
DEPTH
0.50
0
LFO
TRI 0-180
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

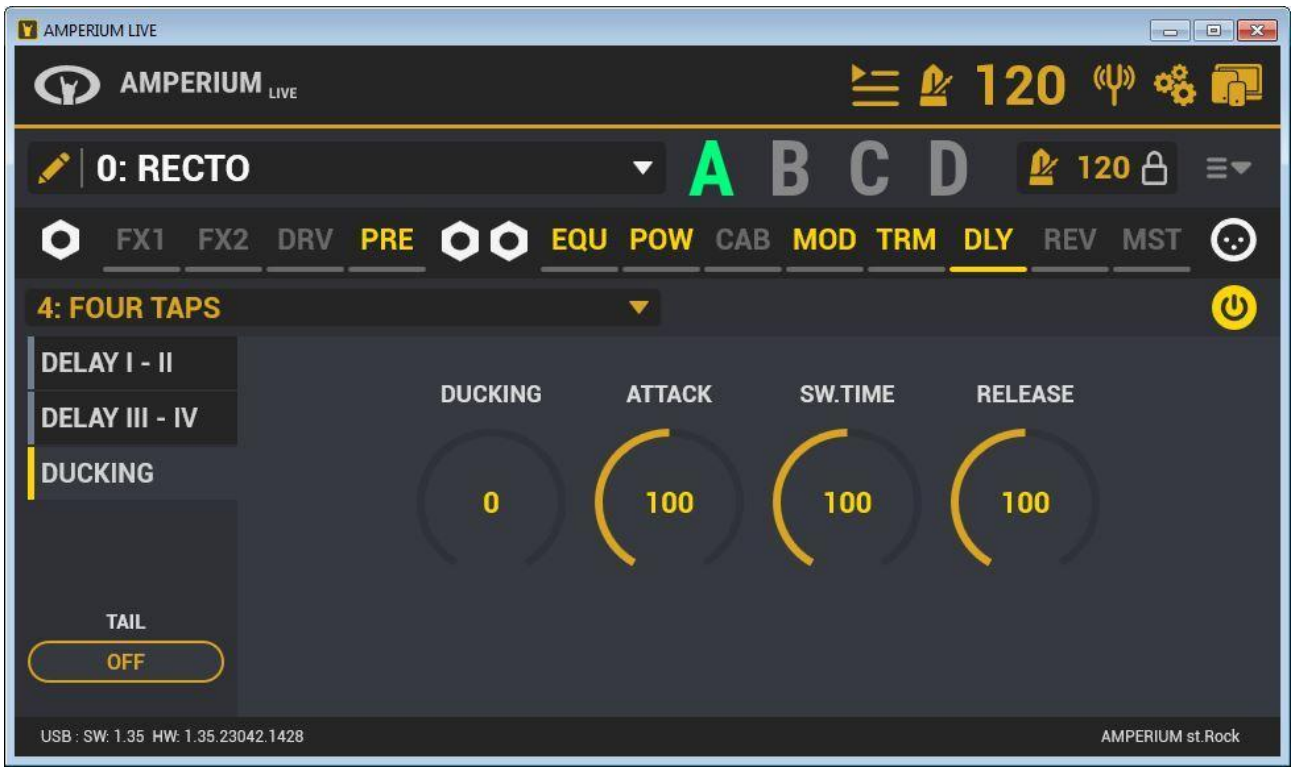

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
1: SINGLE
DELAY
MODULATION
DUCKING
DUCKING
ATTACK
SW.TIME
RELEASE
0
100
100
100
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: REVERSE
DELAY
MODULATION
DUCKING
DELAY
WINDOW
F.BACK
F.BACK LP
DRY
WET
300
15
30
98
100
50
HP
2
TAIL
OFF
SYNC
MANUAL
PRESET
MANUAL
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
3: DUAL
DELAY
MODULATION
DUCKING
DELAY L
F.BACK
HP
F.BACK LP
DELAY R
300
30
2
98
150
DRY
TAIL
WET
OFF
100
MODE
50
SYNC L
SYNC R
MANUAL
NORMAL
MANUAL
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
4: FOUR TAPS
DELAY I - II
DELAY III - IV
DUCKING
DELAY I
PAN I
F.BACK
F.BACK LP
PAN II
DELAY II
300
0
30
70
0
150
LEVEL I
DRY
WET
LEVEL II
TAIL
SYNC I
100
100
50
100
SYNC II
OFF
MANUAL
MANUAL
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

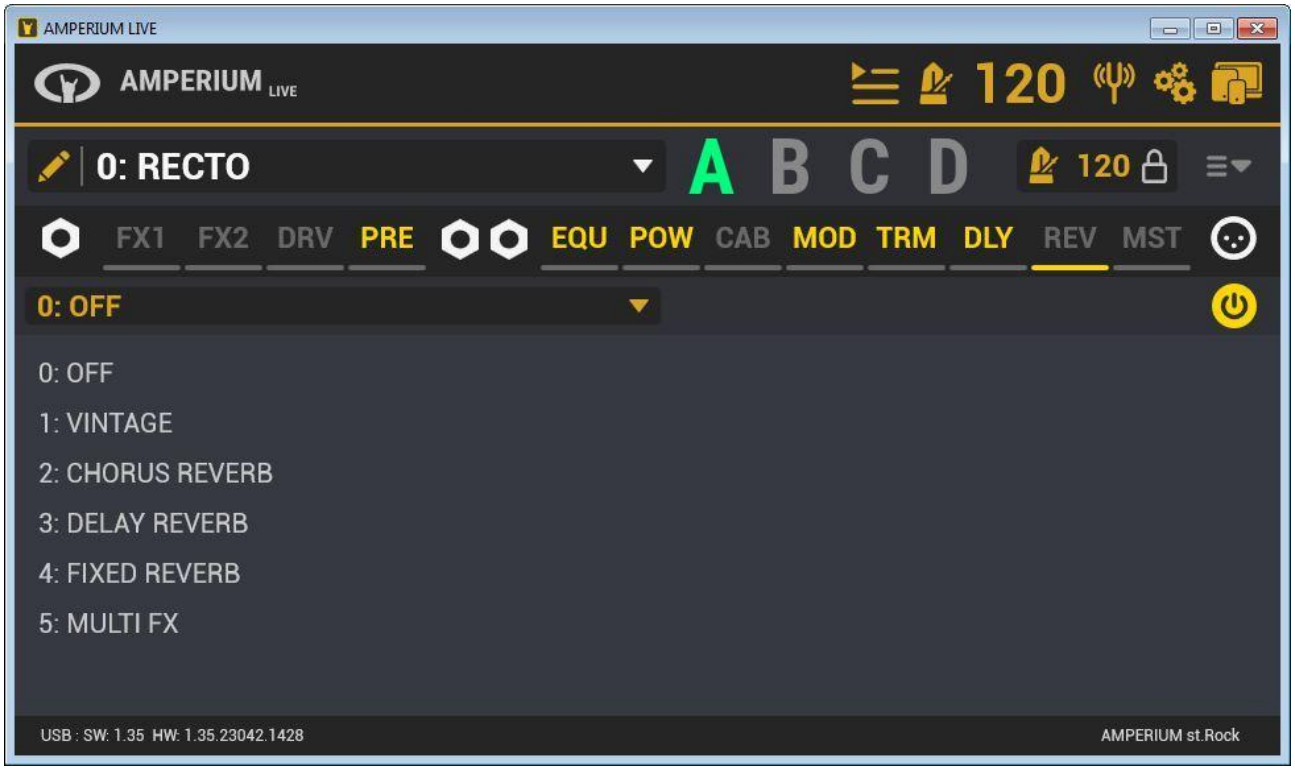

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
4: FOUR TAPS
DELAY I - II
DELAY III - IV
DUCKING
DELAY III
PAN III
PAN IV
DELAY IV
600
-100
100
450
LEVEL III
LEVEL IV
TAIL
SYNC III
100
100
SYNC IV
OFF
MANUAL
MANUAL
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
4: FOUR TAPS
DELAY I - II
DELAY III - IV
DUCKING
TAIL
OFF
DUCKING
ATTACK
SW.TIME
RELEASE
0
100
100
100
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

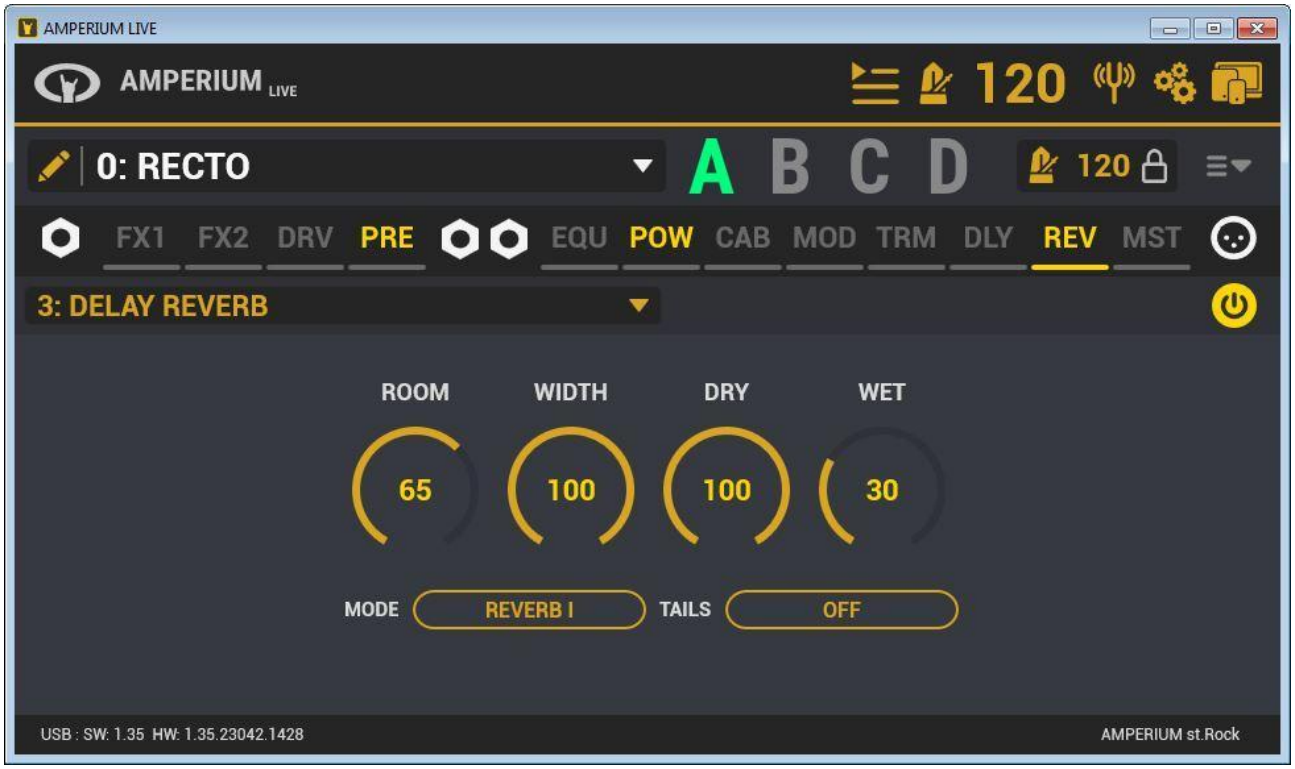
REV

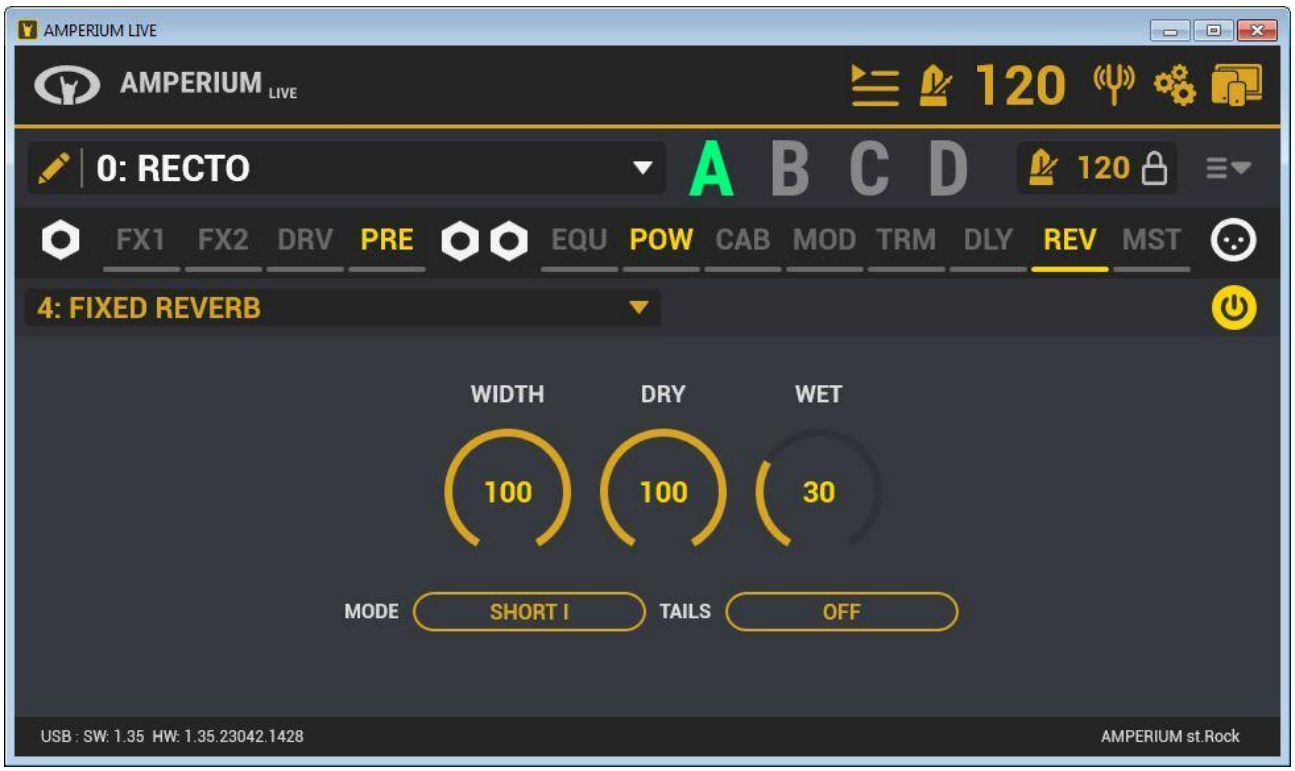
The reverberation block.

Note that the TAILS parameter controls whether reverberation tails will be continued in the next switched preset.

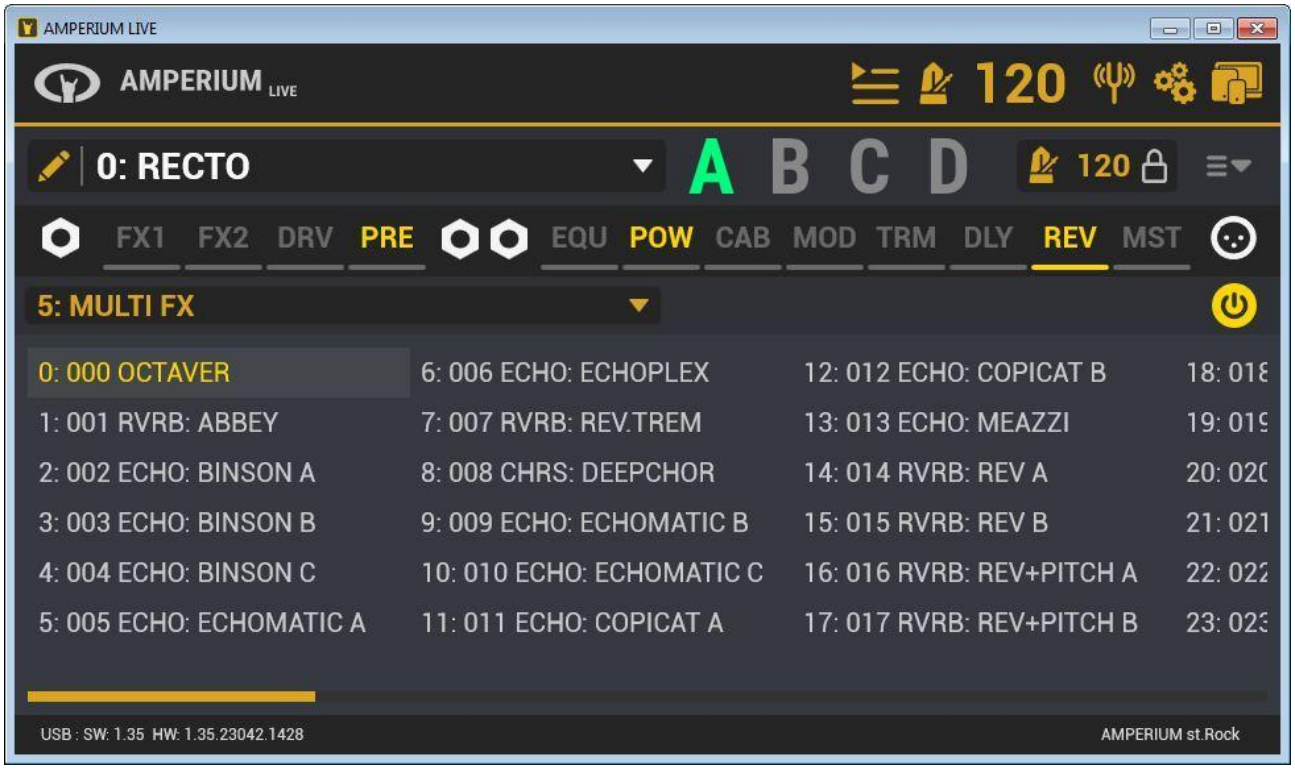



AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
2: CHORUS REVERB
ROOM DECAY LP DELAY DEPTH DRY WET CHR WET REV
65 50 1 50 50 100 100 30
DAMP DIFFUSION LATE RATE
50 50 50 0.50
PRESET MANUAL TAILS OFF
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
3: DELAY REVERB
ROOM WIDTH DRY WET
65 100 100 30
MODE REVERB I TAILS OFF
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

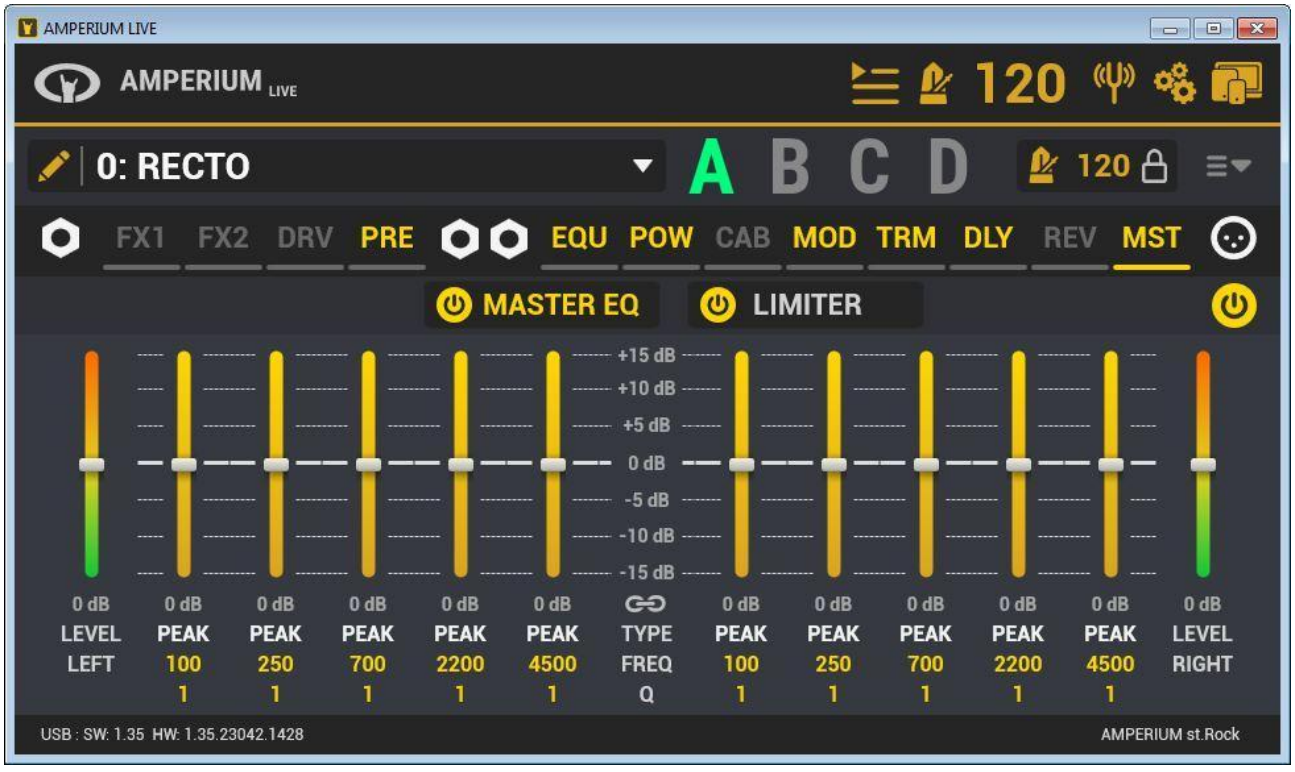

AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
4: FIXED REVERB
WIDTH
DRY
WET
100
100
30
MODE
SHORT I
TAILS
OFF
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
5: MULTI FX
PARAM 1
PARAM 2
PARAM 3
DRY
WET
50
50
50
100
100
EFFECT
000 OCTAVER
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
FX1 FX2 DRV PRE EQU POW CAB MOD TRM DLY REV MST
5: MULTI FX
0: 000 OCTAVER
1: 001 RVRB: ABBEY
2: 002 ECHO: BINSON A
3: 003 ECHO: BINSON B
4: 004 ECHO: BINSON C
5: 005 ECHO: ECHOMATIC A
6: 006 ECHO: ECHOPLEX
7: 007 RVRB: REV.TREM
8: 008 CHRS: DEEPCHOR
9: 009 ECHO: ECHOMATIC B
10: 010 ECHO: ECHOMATIC C
11: 011 ECHO: COPICAT A
12: 012 ECHO: COPICAT B
13: 013 ECHO: MEAZZI
14: 014 RVRB: REV A
15: 015 RVRB: REV B
16: 016 RVRB: REV+PITCH A
17: 017 RVRB: REV+PITCH B
18: 018
19: 019
20: 020
21: 021
22: 022
23: 023
USB : SW: 1.35 HW: 1.35.23042.1428
AMPERIUM st.Rock

MST

The master section.



Tuner

Click the tuner mode button on the toolbar to access the tuner.

The base tuning frequency (orchestra pitch) can be set manually if needed.

To leave the tuner, close the tuner window or click the tuner mode button on the toolbar.

Set Lists

AMPERIUM Live allows you setup set lists to use during performance.

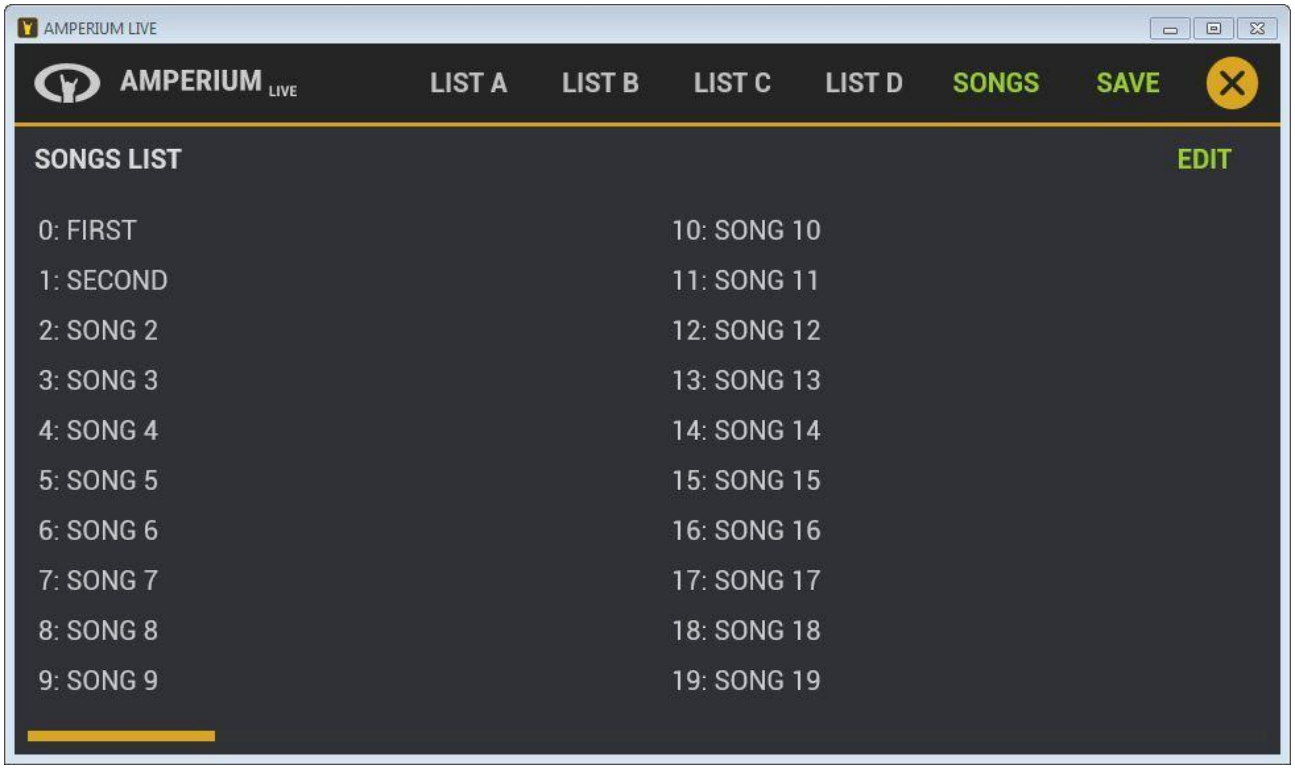
In Set lists mode next preset is activated by pressing C foot switch on device, previous by pressing B foot switch.

Device has 4 Set lists: A/B/C/D. Each Set list can have up to 128 songs.

128 Songs can be stored, each Song can have up to 16 sections.

To enter Set lists mode, click Set list button on toolbar.

Then you should start from creation of Songs. Click SONGS to enter SONGS LIST.



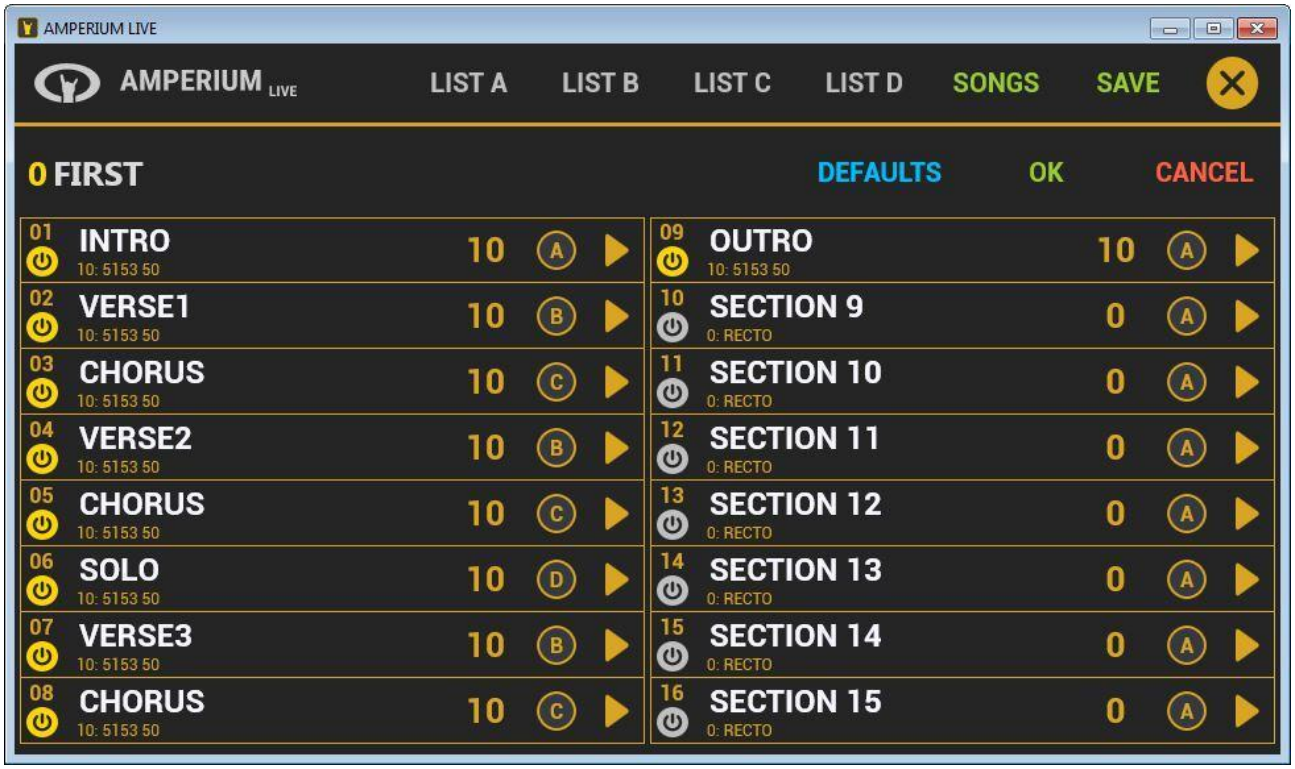
Click any list item (Song) to enter Song sections list.

Activate required sections. But remember that during performance you only can switch between next section and previous, so you should include all sound changes during song to switch between them sequentially.

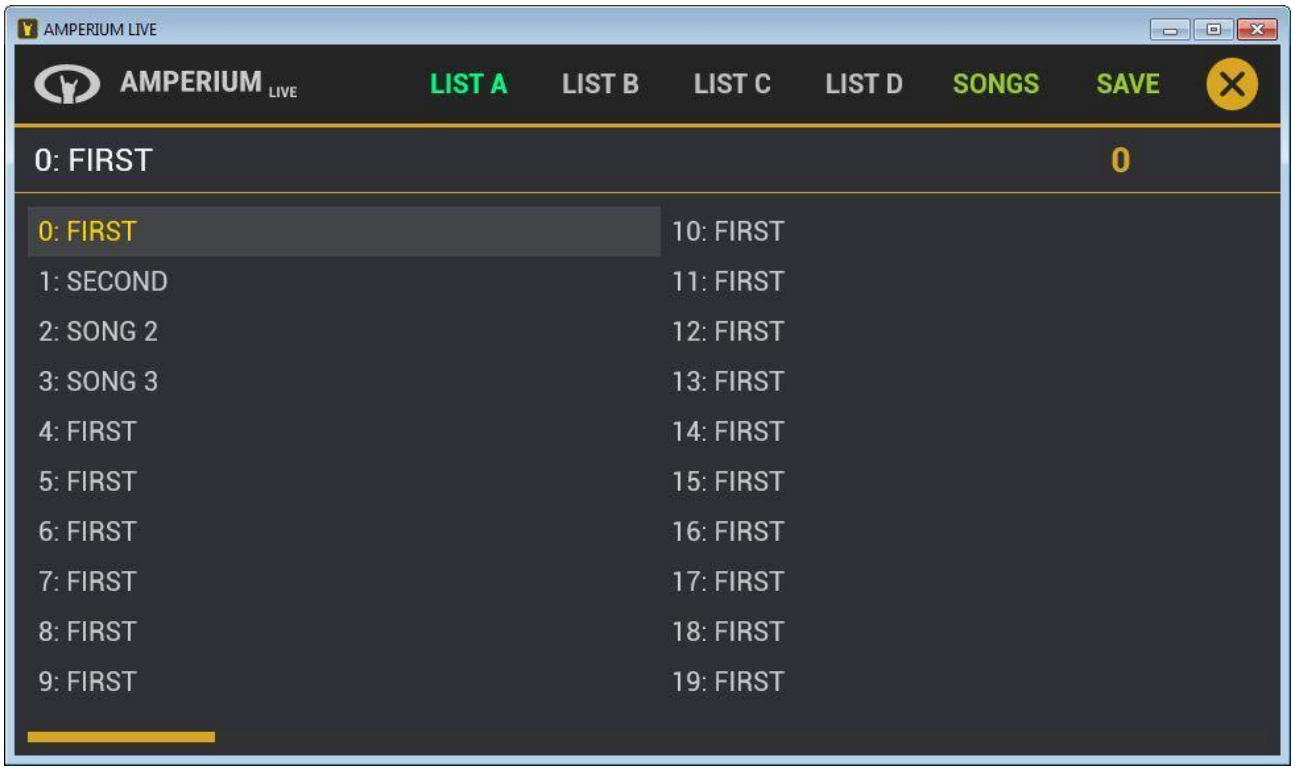
For each activated section select appropriate bank and scene. Rename sections for convenience. Set name for the song. Save result by clicking OK.

Repeat process for each song.

Don`t forget to click SAVE to write changes into device memory.

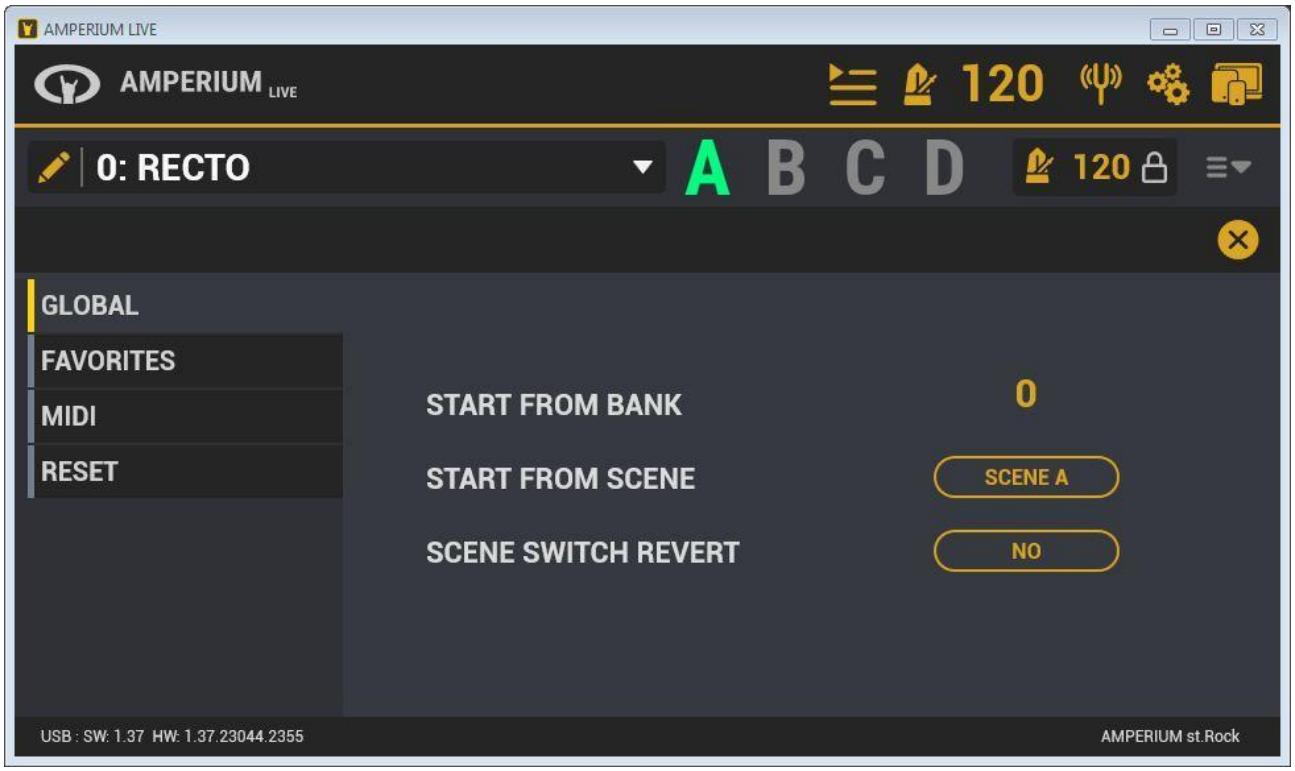


After songs completed, you can add songs in any order to one of four Set lists A/B/C/D. Just select list item and change number on the right, you will see song name on the left side. Add another songs to list.



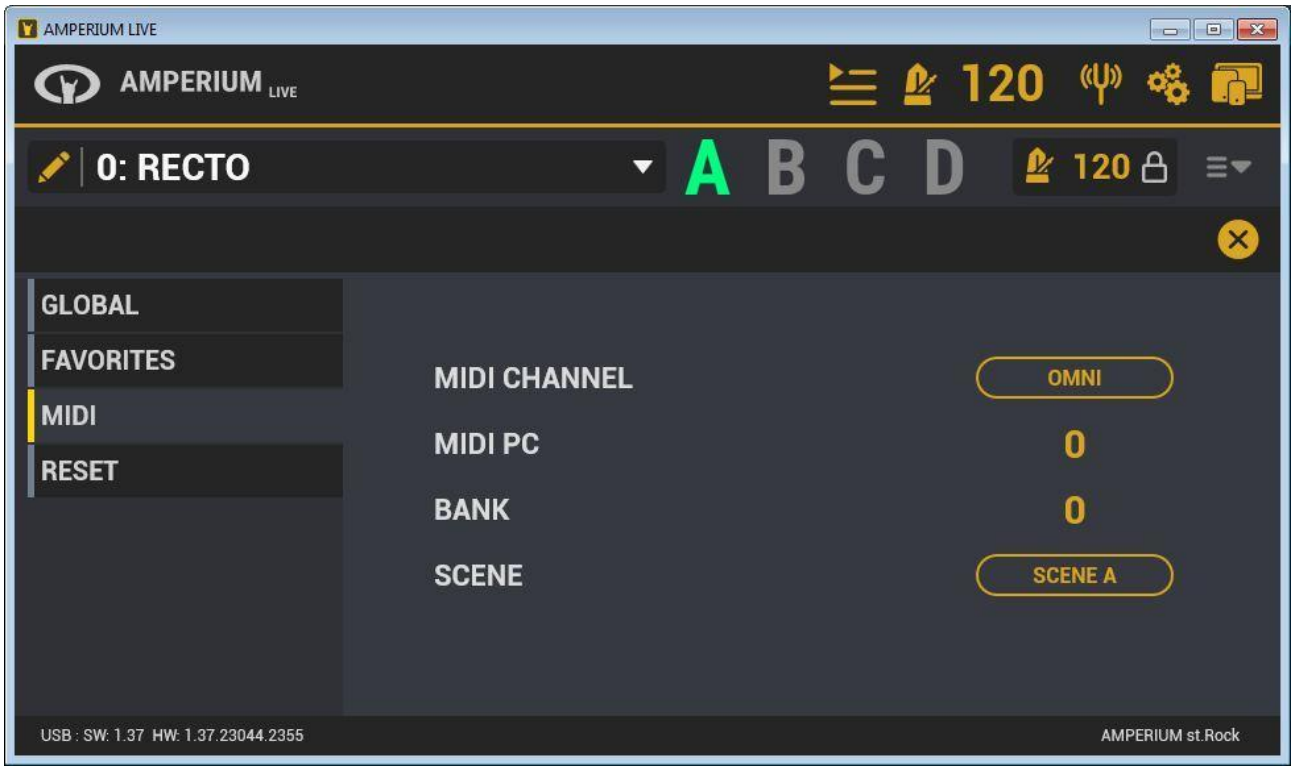
To use Set lists, disconnect Amperium from any control devices, long hold B foot switch two times to get to the Set lists mode, than select A/B/C/D set list by pressing appropriate foot switch. Than just press next (C foot switch) to advance through performance. If you sudden switched too far, press previous (B foot switch) appropriate number of times to return to proper section.

Global settings

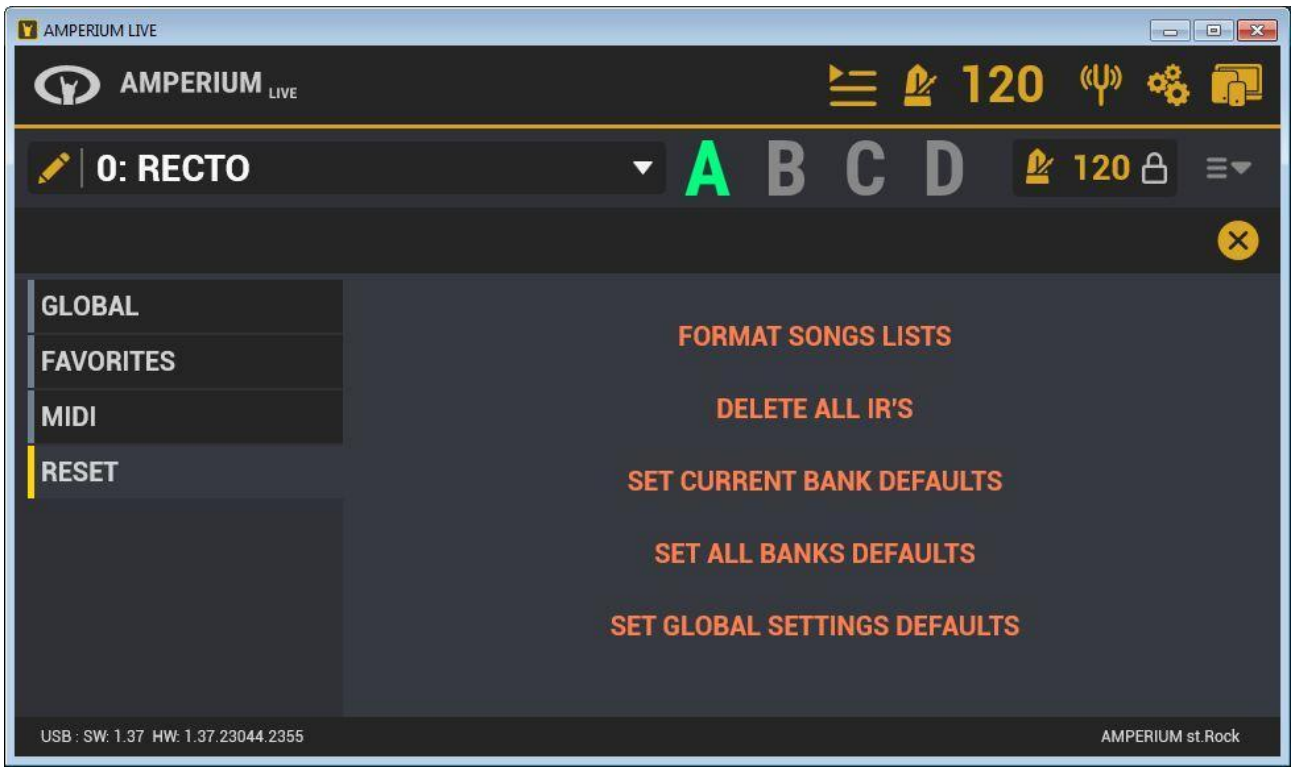


START FROM BANK	Sets bank that will be loaded after device start
START FROM SCENE	Sets scene that will be loaded after device start
SCENE SWITCH REVERT	Sets whether scene will be reverted to stored or stays in last edited state

Sets bank and scene favorites for Favorite mode. Hold B footswitch to enter.



Set the mapping of MIDI PC messages to a particular bank and scene.


AMPERIUM LIVE
AMPERIUM LIVE
120
0: RECTO
A B C D
120
GLOBAL
FAVORITES
MIDI
RESET
FORMAT SONGS LISTS
DELETE ALL IR'S
SET CURRENT BANK DEFAULTS
SET ALL BANKS DEFAULTS
SET GLOBAL SETTINGS DEFAULTS
USB : SW: 1.37 HW: 1.37.23044.2355
AMPERIUM st.Rock

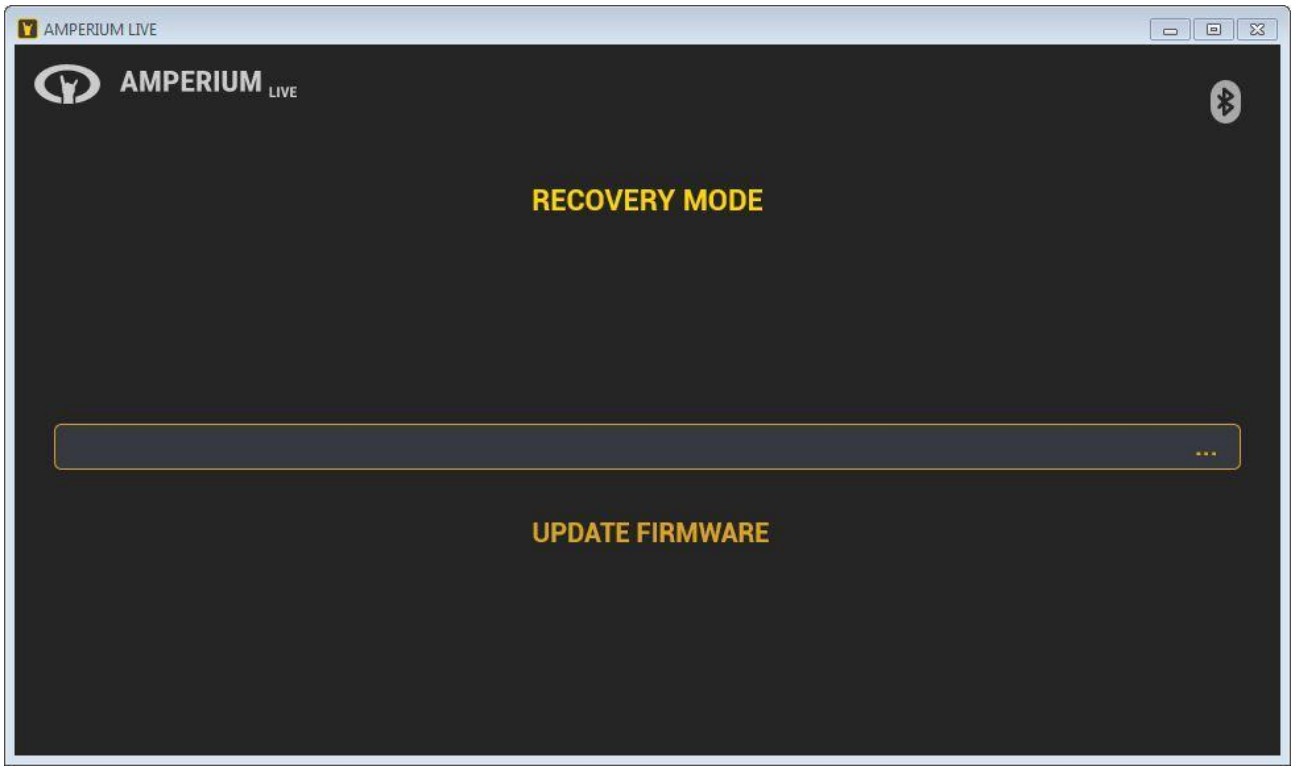
Firmware updating

Firmware updating is only possible in the DESKTOP version with USB connection.

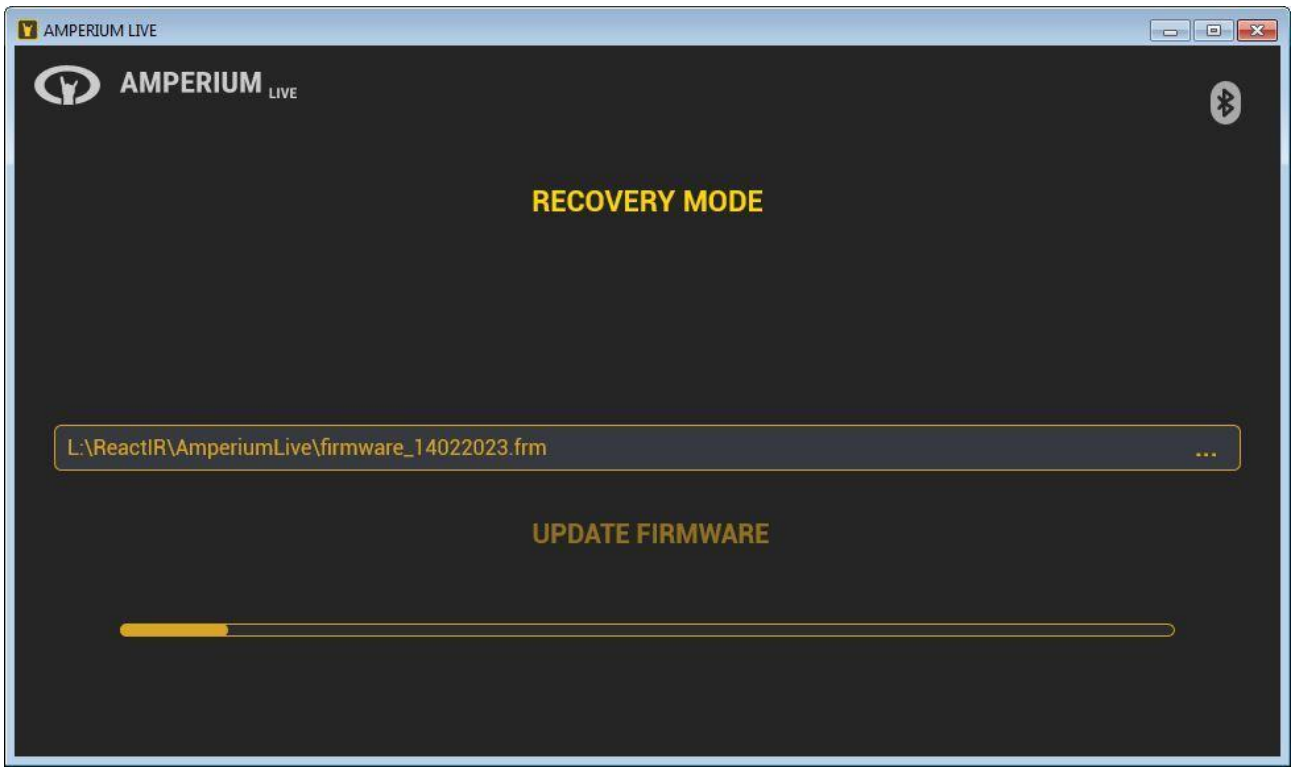
To update firmware:

1. Switch off the device (if it is not powered on)
2. Press and hold the Main Control Encoder
3. Switch on the device while holding the Control
4. The device will be started in the RECOVERY MODE

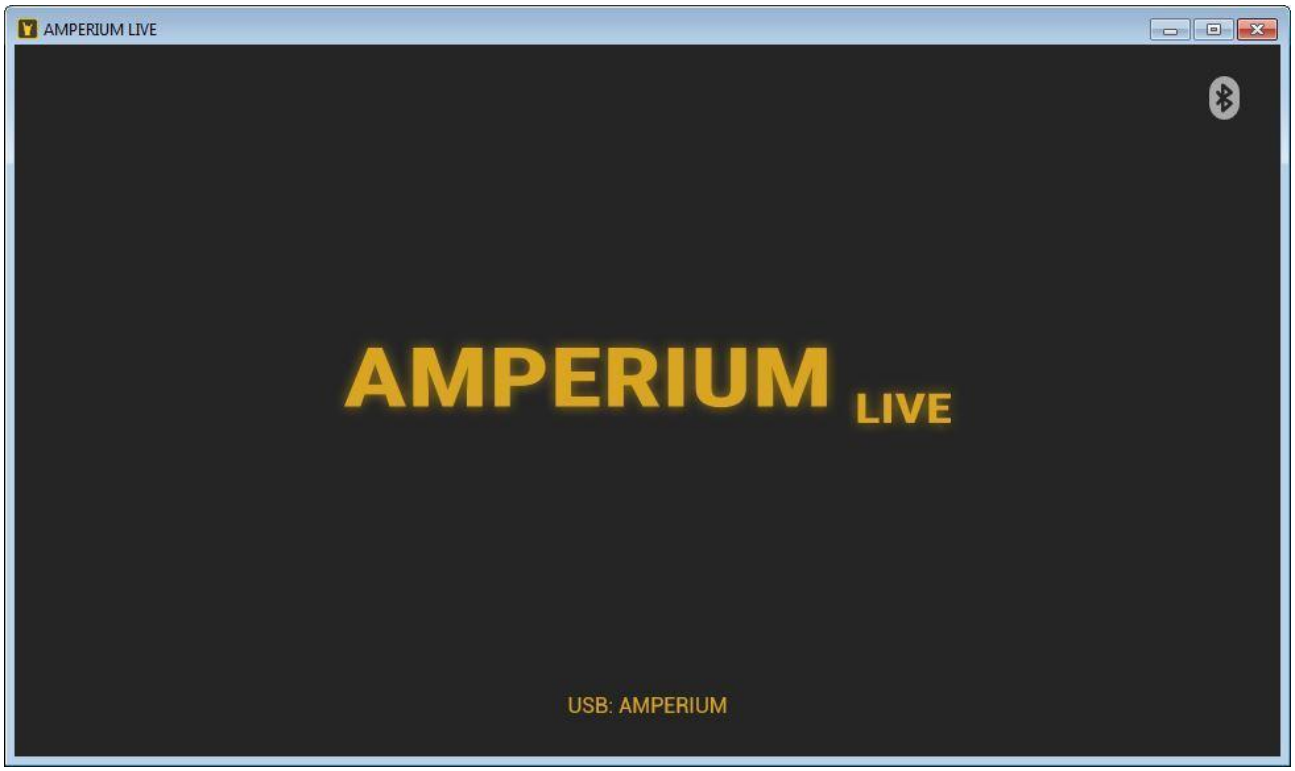
Start the AMPERIUM Live software if it is not running. The Software will be switched to the RECOVERY MODE.



Select the appropriate firmware file and click UPDATE FIRMWARE to start the updating process.



After the update is finished, the software will be restarted.



Switch off and on the device to restart the hardware.

If the updating process aborted for some reason prematurely, don't be afraid – just repeat the firmware updating process again until the successful completion.

Appendix A: Preamp list

1. **PV 5150**
   Modeled after Peavey 5150
   Channels: Clean/Crunch/Lead
   Input modes: Low/Hi
2. **PV 5150 II LEAD**
   Modeled after Peavey 5150II Lead channel
3. **PV 5150 ECO**
   Simplified version of PV 5150 to reduce DSP consumption
4. **PV 5150 II LEAD ECO**
   Simplified version of PV 5150 II LEAD to reduce DSP consumption
5. **EV 5153 GRN-BLUE**
   Modeled after EVH 5150III
   Variations: 50W/100W
   Channels: Blue/Green
6. **EV 5153 RED**
   Modeled after EVH 5150III Red channel
   Variations: 50W/100W
7. **EV 5153 RED ECO**
   Simplified version of EV 5153 RED to reduce DSP consumption
8. **ORANHE ROCKERVERB**
   Modeled after Orange Rockverb Drive channel
9. **ORANHE JR**
   Modeled after Orange Jim Root
10. **FRIEMAN BE50DLX CLEAN**
    Modeled after Friedman BE50DLX Clean channel
    Switches: Bright
11. **FRIEMAN BE50DLX DRIVE**
    Modeled after Friedman BE50DLX Drive channel
    Switches: BE/HBE, FAT, C45, Structure, Voice
12. **FRIEMAN RUNT 50 CLEAN**
    Modeled after Friedman Runt 50 Clean channel
    Switches: Bright
13. **FRIEMAN RUNT DRIVE**
    Modeled after Friedman Runt 50 and 20 Drive channel
    Variations: 50W/20W

14. **FRIEMAN JEL100 CLEAN**
    Modeled after Friedman JEL 100 Clean channel
    Switches: Bright
15. **FRIEMAN JEL100 DRIVE**
    Modeled after Friedman JEL 100 Clean channel
    Switches: Boost
16. **FRIEMAN JJJr**
    Modeled after Friedman JJJr
17. **FRIEMAN JJJr JBE**
    Modeled after Friedman JJJr JBE channel
18. **FRIEMAN SMALLBOX PLEXI**
    Modeled after Friedman Smallbox Plexi channel
    Switches: Bright
19. **FRIEMAN SMALLBOX BE**
    Modeled after Friedman Smallbox BE channel
20. **FRIEMAN DIRTYSHIRLEY**
    Modeled after Friedman Dirtyshirley
    Switches: Structure
21. **FRIEMAN PHILX**
    Modeled after Friedman PhilX
    Switches: Boost, Structure
22. **FRIEMAN BE100**
    Modeled after Friedman BE100 Drive channel
    Switches: BE/HBE, FAT, C45, Structure, Voice
23. **FRIEMAN PINKTACO**
    Modeled after Friedman Pinktaco
24. **FRIEMAN SS100**
    Modeled after Friedman SS100
    Switches: BE/HBE, Voice
25. **FRIEMAN BUTTERSLAX**
    Modeled after Friedman Butterslax
    Channels: CH2/CH3
26. **RECTO 3CH MODERN**
    Modeled after Mesa Boogie Dual Rectifier 3-channel, Modern mode
    Channels: Orange/Red
27. **RECTO 3CH VIN\RAW**
    Modeled after Mesa Boogie Dual Rectifier 3-channel

Channels: Orange/Red
Modes: Vintage/Raw

28. **RECTO 2CH**
    Modeled after Mesa Boogie Dual Rectifier 2-channel
    Variations: Rev.G/Rev.F (1 MOhm gain)/Bull/Mod V
    Channels: Red/Orange
    Modes: Modern/Vintage-Normal
29. **NIGHTMARE**
    Modeled after Driftwood Purple Nightmare Burn + Gain channel
30. **SLO**
    Modeled after Soldano SLO100 and SLO30 Drive channel
    Variations: SLO100/SLO30
31. **SLO 100 CRUNCH**
    Modeled after Soldano SLO100 Crunch channel
32. **SLO MOD**
    Modeled after AZG SRT Lead channel
    Variations: Normal/Mod
33. **HOT ROD 50**
    Modeled after Soldano Hot Rod 50
34. **SP77 CH1**
    Modeled after Soldano SP77 preamp channel 1
    Switches: Bright
35. **SP77 / SL60**
    Modeled after Soldano SP77 preamp
36. **X88R CH2**
    Modeled after Soldano X88R preamp channel 2
    Switches: Bright
37. **JMP1959**
    Modeled after Marshall JMP1959
    Variations: Basic/HWSLP
    Switches: Bright
38. **JTM 45**
    Modeled after Marshall JTM 45
    Switches: Bright
39. **BASSMAN 5F6**
    Modeled after Fender Bassman 5F6
    Switches: Bright

40. **JMP MASTER MODEL**
    Modeled after Marshall JMP Master Model
    Input modes: Hi/Low
41. **JCM800**
    Modeled after Marshall JCM800
    Variations: Normal/KKing/Bogner
42. **SEMINAR**
    Modeled after Egnater Seminar
    Switches: Boost
43. **AFD 100**
    Modeled after Marshall AFD100
    Input modes: Hi/Low
44. **AFD 100 #34**
    Modeled after Marshall AFD100' #34
    Input modes: Hi/Low
45. **XTC CLEAN**
    Modeled after Bogner Extasy Clean channel
    Input modes: Hi/Low
    Switches: Bright, Boost
46. **XTC PLEXI**
    Modeled after Bogner Extasy Plexi channel
    Input modes: Hi/Low
    Switches: Bright
47. **XTC BLUE**
    Modeled after Bogner Extasy Blue channel
    Input modes: Hi/Low
    Switches: Bright, Boost, Structure
48. **XTC RED**
    Modeled after Bogner Extasy Red channel
    Input modes: Hi/Low
    Switches: Pre EQ, Boost, Structure

49. **XTC 101B RED**
    Modeled after Bogner Extasy 101B Red channel
    Variations: Mode I/Mode II/Mode III/Mode IV
    Input modes: Hi/Low
    Switches: Bright, Boost, Structure, Log/Lin
50. **DETONATOR**
    Modeled after Yerasov Detonator
    Switches: Bright, Boost
51. **GH100L**
    Modeled after Laney GH100L
    Input modes: Hi/Low
    Switches: Boost
52. **FENDEP PRINCETON**
    Modeled after Fender Princeton
    Input modes: Hi/Low
    Switches: Bright
53. **FENDEP DELUXE**
    Modeled after Fender Deluxe
    Input modes: Hi/Low
    Switches: Bright
54. **VOK ACXX**
    Modeled after Vox AC50/30/15
    Input modes: Hi/Low
    Switches: Mode
55. **SHARP GIANT**
    Modeled after Bogner Giant preamp Sharp channel
    Variations: Mod I/Mod II/Mod III/Mod IV
56. **ENGLE E430 CLN/CRUNCH**
    Modeled after ENGL E430 Tubetoner preamp, Clean and Crunch channels
    Channels: Clean/Crunch
    Switches: Bright
57. **ENGLE E430 LEAD**
    Modeled after ENGL E430 Tubetoner preamp, Soft and Heavy channels
    Channels: Soft Lead/Heavy Lead
58. **ENGLE E530 LEAD**
    Modeled after ENGL E530 preamp

Channels: High/Low
Switches: Contour

59. **ENGLE E650**
Modeled after ENGL E650 Ritchie Blackmore
Switches: Contour
60. **ENGLE E625**
Modeled after ENGL E625 Fireball
Channels: Ultra/Normal
Switches: Bright, Depth
61. **ENGLE E330**
Modeled after ENGL E330
Switches: Bright
62. **MARX IIC+ LEAD**
Modeled after Mesa Boogie Mark IIC+ Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
63. **MARX IIC+ LEAD SCLASS**
Modeled after Mesa Boogie Mark IIC+ Simulclass Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
64. **MARX III LEAD**
Modeled after Mesa Boogie Mark III Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
65. **MARX III LEAD SCLASS**
Modeled after Mesa Boogie Mark IIC+ Simulclass Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
66. **MARX IV LEAD A**
Modeled after Mesa Boogie Mark IVA Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
67. **MARX IV LEAD B**
Modeled after Mesa Boogie Mark IVB Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
68. **MARX V LEAD**
Modeled after Mesa Boogie Mark V Lead channel
Switches: Bright, Treble Shift, Bass Shift, Bright Lead, Mid Gain
69. **PEDA.TONE**
Modeled after Koch Pedaltone Channel 2
Switches: Boost

70. **RD45**
    Modeled after Randall Diavolo
    Variations: RD45/KH20
    Switches: Boost
71. **KRANC**
    Modeled after Krank Revolution
    Variations: Rev1/Rev Jr/Krankenstein
72. **SPLAW QR**
    Modeled after Splawn QuickRod Drive channel
    Switches: Drive, Gear
73. **SPLAW QR***
    Modeled after Splawn QuickRod Drive channel, linear Gain
    Switches: Drive, Gear
74. **SPLAW NITRO**
    Modeled after Splawn Nitro Drive channel
    Switches: Drive
75. **FRAMUZ COBRA ECO**
    Modeled after Framus Cobra, simplified
    Channels: Lead/Crunch
    Switches: Notch
76. **FRAMUZ DRAGON ECO**
    Modeled after Framus Dragon, simplified
    Channels: Lead/Crunch
77. **FRAMUZ COBRA**
    Modeled after Framus Cobra
    Channels: Lead/Crunch
    Switches: Notch
78. **FRAMUZ DRAGON**
    Modeled after Framus Dragon
    Channels: Lead/Crunch
79. **CAE CLEAN**
    Modeled after CAE 3+ preamp Clean channel
    Switches: Bright
80. **CAE CRUNCH**
    Modeled after CAE 3+ preamp Crunch channel
    Switches: Bright

81. **CAE LEAD**
    Modeled after CAE 3+ preamp Lead channel
    Switches: Bright
82. **JVM41 CRUNCH GREEN**
    Modeled after Marshall JVM410 Crunch channel Green mode
83. **JVM41 CRUNCH ORNG/RED**
    Modeled after Marshall JVM410 Crunch channel Orange and Red modes
    Switches: Mode
84. **JVM41 OD1/OD2 GREEN**
    Modeled after Marshall JVM410 Green mode OD1 and OD2 channels
    Channels: OD1/OD2
85. **JVM41 OD1/OD2 ORNG/RED**
    Modeled after Marshall JVM410 Orange and Red modes of OD1 and OD2 channels
    Channels: OD1/OD2
    Switches: Mode
86. **HIWAT DR504OL**
    Modeled after Hiwatt DR504 OL
    Input modes: Normal/Brilliant
87. **HIWAT DR103**
    Modeled after Hiwatt DR103
    Input modes: Normal/Brilliant
88. **MR.GECTOR**
    Modeled after Laboga Mr.Hector
    Channels: Lead/Clean
    Input modes: High/Low
    Switches: Bright, Mid
89. **HERBERT CH3/CH4**
    Modeled after Diezel Herbert
    Channels: CH3/CH4
90. **VH4 CH2**
    Modeled after Diezel VH4 channel 2
    Switches: Bright
91. **VH4 CH3/CH4**
    Modeled after Diezel VH4
    Channels: CH3/CH4

92. **VH4 M CH2**
    Modeled after Diezel VH4 channel 2
    Switches: Bright
93. **VH4 M CH3/CH4**
    Modeled after Diezel VH4
    Channels: CH3/CH4
94. **UBER**
    Modeled after Bogner Ubeschall Hi-Gain channel
95. **DELIVERENCE**
    Modeled after VHT Deliverance
    Switches: Mode
96. **PLEXI FULL**
    Modeled after Marshall Plexi with full routing
    Variations: Reissue/1959/1958HW
    Input modes: Bright High/Bright Low/Normal High/Normal Low
    Switches: Link, Mid pot type
97. **JCM900 SLX**
    Modeled after Marshall JCM900 SLX
98. **RIV-ERA**
    Modeled after Rivera Knucklehead
    Variations: KTRE/Venus
    Channels: Lead/Clean
    Input modes: High/Low
99. **DENEGELD CH1/2**
    Custom low-gain preamplifier
    Channels: CH1/CH2
100. **DENEGELD CH3**
    Custom Bogner Sharp style preamp channel
101. **BASSTONE**
    Custom bass preamp
102. **Satan**
    Modeled after Randall Satan 50W
    Switches: Kill, Sweep